



## Clinical trial results:

**A randomized, double-blind, placebo-controlled, parallel group, phase 3, multicenter trial investigating the efficacy and safety of C21 as add-on to standard of care in adult subjects with COVID-19.**

### Summary

|                          |                |
|--------------------------|----------------|
| EudraCT number           | 2021-000264-29 |
| Trial protocol           | CZ             |
| Global end of trial date | 25 April 2022  |

### Results information

|                                |                  |
|--------------------------------|------------------|
| Result version number          | v1 (current)     |
| This version publication date  | 23 November 2023 |
| First version publication date | 23 November 2023 |

### Trial information

#### Trial identification

|                       |            |
|-----------------------|------------|
| Sponsor protocol code | VP-C21-008 |
|-----------------------|------------|

#### Additional study identifiers

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT04880642 |
| WHO universal trial number (UTN)   | -           |

Notes:

### Sponsors

|                              |  |
|------------------------------|--|
| Sponsor organisation name    | Vicore Pharma AB   |
| Sponsor organisation address | Kornhamnstorg 53, Stockholm, Sweden, SE-111 27   |
| Public contact               | Anne-Katrine Cohrt<br>Head of Clinical Operations, Vicore Pharma AB, anne-katrine.cohrt@vicorepharma.com |
| Scientific contact           | Rohit Batta<br>Chief Medical Officer, Vicore Pharma AB, info@vicorepharma.com                            |

Notes:

### Paediatric regulatory details

|  |    |
|--|----|
| Is trial part of an agreed paediatric investigation plan (PIP)       | No |
| Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial? | No |
| Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial? | No |

Notes:

## Results analysis stage

|  |                 |
|--|-----------------|
| Analysis stage                                       | Final           |
| Date of interim/final analysis                       | 13 October 2022 |
| Is this the analysis of the primary completion data? | Yes             |
| Primary completion date                              | 25 April 2022   |
| Global end of trial reached?                         | Yes             |
| Global end of trial date                             | 25 April 2022   |
| Was the trial ended prematurely?                     | No              |

Notes:

## General information about the trial

Main objective of the trial:

Evaluate the efficacy of C21 versus placebo as add-on to standard of care on recovery in subjects with COVID-19.

Protection of trial subjects:

None specific.

Background therapy:

All enrolled patients received standard of care (SoC) COVID-19 treatment.

Evidence for comparator: -

|   |                   |
|---|-------------------|
| Actual start date of recruitment                          | 16 September 2021 |
| Long term follow-up planned                               | No                |
| Independent data monitoring committee (IDMC) involvement? | Yes               |

Notes:

## Population of trial subjects

### Subjects enrolled per country

|                                      |                        |
|--------------------------------------|------------------------|
| Country: Number of subjects enrolled | Czechia: 39            |
| Country: Number of subjects enrolled | Brazil: 9              |
| Country: Number of subjects enrolled | Colombia: 2            |
| Country: Number of subjects enrolled | United States: 8       |
| Country: Number of subjects enrolled | Philippines: 8         |
| Country: Number of subjects enrolled | Ukraine: 109           |
| Country: Number of subjects enrolled | Russian Federation: 16 |
| Country: Number of subjects enrolled | India: 76              |
| Country: Number of subjects enrolled | South Africa: 5        |
| Worldwide total number of subjects   | 272                    |
| EEA total number of subjects         | 39                     |

Notes:

### Subjects enrolled per age group

|   |   |
|---|---|
| In utero                                  | 0 |
| Preterm newborn - gestational age < 37 wk | 0 |
| Newborns (0-27 days)                      | 0 |
| Infants and toddlers (28 days-23          | 0 |

|                           |     |
|---------------------------|-----|
| months)                   |     |
| Children (2-11 years)     | 0   |
| Adolescents (12-17 years) | 0   |
| Adults (18-64 years)      | 195 |
| From 65 to 84 years       | 74  |
| 85 years and over         | 3   |

## Subject disposition

### Recruitment

Recruitment details: -

### Pre-assignment

Screening details:

316 subjects signed informed consent and were screened for participation in the trial. Of these, 44 subjects were screening failures and the remaining 272 subjects were randomised to treatment. Of the 272 randomised subjects, 267 subjects actually received treatment.

### Period 1

|                              |                              |
|------------------------------|------------------------------|
| Period 1 title               | Randomisation                |
| Is this the baseline period? | Yes                          |
| Allocation method            | Randomised - controlled      |
| Blinding used                | Double blind                 |
| Roles blinded                | Subject, Investigator, Carer |

### Arms

|                              |         |
|------------------------------|---------|
| Are arms mutually exclusive? | Yes     |
| <b>Arm title</b>             | Placebo |

Arm description: -

|  |          |
|--|----------|
| Arm type                               | Placebo  |
| Investigational medicinal product name | Placebo  |
| Investigational medicinal product code |          |
| Other name                             |          |
| Pharmaceutical forms                   | Capsule  |
| Routes of administration               | Oral use |

Dosage and administration details:

One oral capsule of placebo administered twice daily

|                  |                |
|------------------|----------------|
| <b>Arm title</b> | C21 100 mg BID |
|------------------|----------------|

Arm description: -

|  |              |
|--|--------------|
| Arm type                               | Experimental |
| Investigational medicinal product name | C21          |
| Investigational medicinal product code |              |
| Other name                             |              |
| Pharmaceutical forms                   | Capsule      |
| Routes of administration               | Oral use     |

Dosage and administration details:

One oral capsule of 100 mg C21 administered twice daily

| Number of subjects in period 1 | Placebo | C21 100 mg BID |
|--------------------------------|---------|----------------|
| Started                        | 136     | 136            |
| Completed                      | 133     | 134            |
| Not completed                  | 3       | 2              |
| Consent withdrawn by subject   | 3       | 2              |

|   |                              |
|---|------------------------------|
| <b>Period 2</b>   |                              |
| Period 2 title  | Treatment period             |
| Is this the baseline period?                            | No                           |
| Allocation method                                       | Randomised - controlled      |
| Blinding used   | Double blind                 |
| Roles blinded   | Subject, Investigator, Carer |
| <b>Arms</b>   |                              |
| Are arms mutually exclusive?                            | Yes                          |
| <b>Arm title</b>  | Placebo                      |
| Arm description: -                                      |                              |
| Arm type  | Placebo                      |
| Investigational medicinal product name                  | Placebo                      |
| Investigational medicinal product code                  |                              |
| Other name  |                              |
| Pharmaceutical forms                                    | Capsule                      |
| Routes of administration                                | Oral use                     |
| Dosage and administration details:                      |                              |
| One oral capsule of placebo administered twice daily    |                              |
| <b>Arm title</b>  | C21 100 mg BID               |
| Arm description: -                                      |                              |
| Arm type  | Experimental                 |
| Investigational medicinal product name                  | C21                          |
| Investigational medicinal product code                  |                              |
| Other name  |                              |
| Pharmaceutical forms                                    | Capsule                      |
| Routes of administration                                | Oral use                     |
| Dosage and administration details:                      |                              |
| One oral capsule of 100 mg C21 administered twice daily |                              |

| Number of subjects in period 2                  | Placebo | C21 100 mg BID |
|---|---------|----------------|
| Started   | 133     | 134            |
| Completed                                       | 118     | 117            |
| Not completed                                   | 18      | 19             |
| Adverse event, serious fatal                    | 6       | 5              |
| Consent withdrawn by subject                    | 3       | 5              |
| Adverse event, non-fatal                        | 3       | 5              |
| Not randomized/not treated                      | 3       | 2              |
| Subject decision to stop IMP treatment          | 1       | -              |
| Subject was withdrawn due to Sponsor discretion | 1       | -              |
| Lost to follow-up                               | -       | 1              |

|  |   |   |
|--|---|---|
| Protocol deviation                             | 1 | 1 |
| Joined   | 3 | 2 |
| Non-randomized subjects, added to fit with ITI | 3 | - |
| Non-randomized subject, added to fit ITI       | - | 2 |

## Baseline characteristics

### Reporting groups

|                                |                |
|--------------------------------|----------------|
| Reporting group title          | Placebo        |
| Reporting group description: - |                |
| Reporting group title          | C21 100 mg BID |
| Reporting group description: - |                |

| Reporting group values                             | Placebo  | C21 100 mg BID | Total |
|--|----------|----------------|-------|
| Number of subjects                                 | 136      | 136            | 272   |
| Age categorical                                    |          |                |       |
| Units: Subjects                                    |          |                |       |
| In utero   | 0        | 0              | 0     |
| Preterm newborn infants (gestational age < 37 wks) | 0        | 0              | 0     |
| Newborns (0-27 days)                               | 0        | 0              | 0     |
| Infants and toddlers (28 days-23 months)           | 0        | 0              | 0     |
| Children (2-11 years)                              | 0        | 0              | 0     |
| Adolescents (12-17 years)                          | 0        | 0              | 0     |
| Adults (18-64 years)                               | 93       | 102            | 195   |
| From 65-84 years                                   | 40       | 34             | 74    |
| 85 years and over                                  | 3        | 0              | 3     |
| Age continuous                                     |          |                |       |
| Age at baseline for the ITT analysis set.          |          |                |       |
| Units: years                                       |          |                |       |
| arithmetic mean                                    | 56.5     | 53.5           |       |
| full range (min-max)                               | 21 to 91 | 18 to 79       | -     |
| Gender categorical                                 |          |                |       |
| Gender for the ITT analysis set.                   |          |                |       |
| Units: Subjects                                    |          |                |       |
| Female   | 63       | 57             | 120   |
| Male   | 73       | 79             | 152   |
| Race   |          |                |       |
| Units: Subjects                                    |          |                |       |
| American Indian or Alaska Native                   | 0        | 0              | 0     |
| Asian  | 45       | 43             | 88    |
| Black or African American                          | 2        | 0              | 2     |
| Native Hawaiian or Other Pacific Islander          | 0        | 0              | 0     |
| White  | 87       | 90             | 177   |
| Other  | 1        | 3              | 4     |
| Not reported                                       | 1        | 0              | 1     |
| Unknown  | 0        | 0              | 0     |
| Ethnicity  |          |                |       |
| Units: Subjects                                    |          |                |       |
| Hispanic or Latino                                 | 6        | 6              | 12    |
| Not Hispanic or Latino                             | 127      | 127            | 254   |
| Not Reported                                       | 0        | 0              | 0     |
| Unknown  | 3        | 3              | 6     |

|   |               |               |     |
|---|---------------|---------------|-----|
| Region of enrolment<br>Units: Subjects            |               |               |     |
| Columbia  | 0             | 2             | 2   |
| United States                                     | 4             | 4             | 8   |
| Czechia   | 19            | 20            | 39  |
| Philippines                                       | 5             | 3             | 8   |
| Ukraine   | 55            | 54            | 109 |
| Brazil  | 5             | 4             | 9   |
| South Africa                                      | 3             | 2             | 5   |
| India   | 38            | 38            | 76  |
| Russia  | 7             | 9             | 16  |
| Height<br>Units: cm                               |               |               |     |
| arithmetic mean                                   | 167.6         | 168.8         |     |
| full range (min-max)                              | 149 to 187    | 145 to 195    | -   |
| Weight<br>Units: kg                               |               |               |     |
| arithmetic mean                                   | 79.3          | 81.9          |     |
| full range (min-max)                              | 43.0 to 159.0 | 50.0 to 200.0 | -   |
| Body mass index (BMI)<br>Units: kg/m <sup>2</sup> |               |               |     |
| arithmetic mean                                   | 28.1          | 28.7          |     |
| full range (min-max)                              | 13.3 to 57.0  | 19.0 to 69.2  | -   |



## End points

### End points reporting groups

|                                |                |
|--------------------------------|----------------|
| Reporting group title          | Placebo        |
| Reporting group description: - |                |
| Reporting group title          | C21 100 mg BID |
| Reporting group description: - |                |
| Reporting group title          | Placebo        |
| Reporting group description: - |                |
| Reporting group title          | C21 100 mg BID |
| Reporting group description: - |                |

### Primary: All-cause mortality up to Day 60 (ITT)

|                        |  |
|------------------------|--|
| End point title        | All-cause mortality up to Day 60 (ITT) |
| End point description: |  |
| End point type         | Primary                                |
| End point timeframe:   |  |
| Day 1 to Day 60        |  |

| End point values            | Placebo            | C21 100 mg BID     |  |  |
|-----------------------------|--------------------|--------------------|--|--|
| Subject group type          | Reporting group    | Reporting group    |  |  |
| Number of subjects analysed | 136 <sup>[1]</sup> | 136 <sup>[2]</sup> |  |  |
| Units: Subjects             |                    |                    |  |  |
| Death                       | 10                 | 10                 |  |  |
| Censored                    | 126                | 126                |  |  |

Notes:

[1] - ITT analysis set

[2] - ITT analysis set

### Statistical analyses

|   |                          |
|---|--------------------------|
| Statistical analysis title              | Statistical analysis     |
| Comparison groups                       | C21 100 mg BID v Placebo |
| Number of subjects included in analysis | 272                      |
| Analysis specification                  | Pre-specified            |
| Analysis type                           | superiority              |
| P-value                                 | = 0.949                  |
| Method                                  | Logrank                  |
| Parameter estimate                      | Hazard ratio (HR)        |
| Point estimate                          | 0.98                     |

|                     |         |
|---------------------|---------|
| Confidence interval |         |
| level               | 95 %    |
| sides               | 2-sided |
| lower limit         | 0.4     |
| upper limit         | 2.36    |

### Primary: All-cause mortality up to Day 60 (PP)

|                        |                                       |
|------------------------|---------------------------------------|
| End point title        | All-cause mortality up to Day 60 (PP) |
| End point description: |                                       |
| End point type         | Primary                               |
| End point timeframe:   |                                       |
| Day 1 to Day 60        |                                       |

| End point values            | Placebo         | C21 100 mg BID  |  |  |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type          | Reporting group | Reporting group |  |  |
| Number of subjects analysed | 116             | 111             |  |  |
| Units: Subjects             |                 |                 |  |  |
| Death                       | 9               | 8               |  |  |
| Censored                    | 107             | 103             |  |  |

### Statistical analyses

|   |                          |
|---|--------------------------|
| Statistical analysis title              | Sensitivity analysis     |
| Comparison groups                       | Placebo v C21 100 mg BID |
| Number of subjects included in analysis | 227                      |
| Analysis specification                  | Pre-specified            |
| Analysis type                           | superiority              |
| P-value                                 | = 0.948                  |
| Method                                  | Logrank                  |
| Parameter estimate                      | Hazard ratio (HR)        |
| Point estimate                          | 0.9                      |
| Confidence interval                     |                          |
| level                                   | 90 %                     |
| sides                                   | 2-sided                  |
| lower limit                             | 0.35                     |
| upper limit                             | 2.34                     |

### Secondary: Time to sustained hospital discharge up to Day 60 (ITT)

|                 |   |
|-----------------|---|
| End point title | Time to sustained hospital discharge up to Day 60 (ITT) |
|-----------------|---|

End point description:

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 1 to Day 60

| End point values                 | Placebo           | C21 100 mg BID    |  |  |
|----------------------------------|-------------------|-------------------|--|--|
| Subject group type               | Reporting group   | Reporting group   |  |  |
| Number of subjects analysed      | 136               | 136               |  |  |
| Units: Days                      |                   |                   |  |  |
| median (confidence interval 95%) | 9.0 (8.0 to 11.0) | 9.0 (7.0 to 11.0) |  |  |

### Statistical analyses

| Statistical analysis title              | Statistical analysis     |
|---|--------------------------|
| Comparison groups                       | Placebo v C21 100 mg BID |
| Number of subjects included in analysis | 272                      |
| Analysis specification                  | Pre-specified            |
| Analysis type                           | superiority              |
| P-value                                 | = 0.301                  |
| Method                                  | Logrank                  |
| Parameter estimate                      | Hazard ratio (HR)        |
| Point estimate                          | 1.18                     |
| Confidence interval                     |                          |
| level                                   | 95 %                     |
| sides                                   | 2-sided                  |
| lower limit                             | 0.91                     |
| upper limit                             | 1.52                     |

### Secondary: Time to sustained hospital discharge up to Day 60 (PP)

|                 |  |
|-----------------|--|
| End point title | Time to sustained hospital discharge up to Day 60 (PP) |
|-----------------|--|

End point description:

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 1 to Day 60

| End point values                 | Placebo            | C21 100 mg BID    |  |  |
|----------------------------------|--------------------|-------------------|--|--|
| Subject group type               | Reporting group    | Reporting group   |  |  |
| Number of subjects analysed      | 116                | 111               |  |  |
| Units: Days                      |                    |                   |  |  |
| median (confidence interval 95%) | 10.0 (8.0 to 13.0) | 9.0 (7.0 to 12.0) |  |  |

## Statistical analyses

| Statistical analysis title              | Sensitivity analysis (PP) |
|---|---------------------------|
| Comparison groups                       | Placebo v C21 100 mg BID  |
| Number of subjects included in analysis | 227                       |
| Analysis specification                  | Pre-specified             |
| Analysis type                           | superiority               |
| P-value                                 | = 0.327                   |
| Method                                  | Logrank                   |
| Parameter estimate                      | Hazard ratio (HR)         |
| Point estimate                          | 1.18                      |
| Confidence interval                     |                           |
| level                                   | 95 %                      |
| sides                                   | 2-sided                   |
| lower limit                             | 0.89                      |
| upper limit                             | 1.55                      |

## Secondary: Supplemental oxygen-free Days up to Day 29 (ITT)

|                        |  |
|------------------------|--|
| End point title        | Supplemental oxygen-free Days up to Day 29 (ITT) |
| End point description: |  |
| End point type         | Secondary  |
| End point timeframe:   |  |
| Day 1 to Day 29        |  |

| End point values              | Placebo         | C21 100 mg BID  |  |  |
|-------------------------------|-----------------|-----------------|--|--|
| Subject group type            | Reporting group | Reporting group |  |  |
| Number of subjects analysed   | 126             | 125             |  |  |
| Units: Days                   |                 |                 |  |  |
| median (full range (min-max)) |                 |                 |  |  |
| Observed value                | 24.0 (-1 to 28) | 24.0 (-1 to 28) |  |  |
| Imputed dataset               | 23.0 (-1 to 28) | 23.0 (-1 to 28) |  |  |

## Statistical analyses

| Statistical analysis title              | Statistical analysis             |
|---|----------------------------------|
| Comparison groups                       | Placebo v C21 100 mg BID         |
| Number of subjects included in analysis | 251                              |
| Analysis specification                  | Pre-specified                    |
| Analysis type                           | superiority                      |
| P-value                                 | = 0.425 <sup>[3]</sup>           |
| Method                                  | Wilcoxon (Mann-Whitney)          |
| Parameter estimate                      | Median difference (final values) |
| Point estimate                          | 0                                |
| Confidence interval                     |                                  |
| level                                   | 95 %                             |
| sides                                   | 2-sided                          |
| lower limit                             | -1                               |
| upper limit                             | 1                                |

Notes:

[3] - Missing data at a time point were imputed using multiple imputation with a logistic regression model.

| Statistical analysis title              | Sensitivity analysis       |
|---|----------------------------|
| Comparison groups                       | Placebo v C21 100 mg BID   |
| Number of subjects included in analysis | 251                        |
| Analysis specification                  | Pre-specified              |
| Analysis type                           | superiority <sup>[4]</sup> |
| P-value                                 | = 0.447                    |
| Method                                  | ANOVA                      |
| Parameter estimate                      | LS mean                    |
| Point estimate                          | 0.8                        |
| Confidence interval                     |                            |
| level                                   | 95 %                       |
| sides                                   | 2-sided                    |
| lower limit                             | -1.2                       |
| upper limit                             | 2.8                        |
| Variability estimate                    | Standard error of the mean |
| Dispersion value                        | 1.03                       |

Notes:

[4] - Statistics are based on Imputed Values using multiple imputation with a logistic regression model.

## Secondary: Proportion of subjects free of respiratory failure at Day 15 (ITT)

|  |  |
|--|--|
| End point title  | Proportion of subjects free of respiratory failure at Day 15 (ITT) |
| End point description:<br>The proportion of subjects free of respiratory failure (responders) at Day 15 was calculated |  |
| End point type   | Secondary  |
| End point timeframe:<br>Day 15   |  |

| End point values                | Placebo         | C21 100 mg BID  |  |  |
|---------------------------------|-----------------|-----------------|--|--|
| Subject group type              | Reporting group | Reporting group |  |  |
| Number of subjects analysed     | 130             | 128             |  |  |
| Units: Percentage of responders |                 |                 |  |  |
| number (not applicable)         |                 |                 |  |  |
| Observed values                 | 92.3            | 90.6            |  |  |
| Imputed values                  | 90.1            | 88.4            |  |  |

## Statistical analyses

| Statistical analysis title              | Statistical analysis       |
|---|----------------------------|
| Comparison groups                       | C21 100 mg BID v Placebo   |
| Number of subjects included in analysis | 258                        |
| Analysis specification                  | Pre-specified              |
| Analysis type                           | superiority <sup>[5]</sup> |
| P-value                                 | = 0.671                    |
| Method                                  | Regression, Logistic       |
| Parameter estimate                      | Risk difference (RD)       |
| Point estimate                          | -1.7                       |
| Confidence interval                     |                            |
| level                                   | 95 %                       |
| sides                                   | 2-sided                    |
| lower limit                             | -9.3                       |
| upper limit                             | 6                          |
| Variability estimate                    | Standard error of the mean |
| Dispersion value                        | 3.91                       |

Notes:

[5] - Statistics are based on imputed values.

## Secondary: Proportion of subjects free of respiratory failure at Day 15 (PP)

|                        |   |
|------------------------|---|
| End point title        | Proportion of subjects free of respiratory failure at Day 15 (PP)               |
| End point description: | The proportion of subjects free of oxygen (responders) at Day 15 was calculated |
| End point type         | Secondary   |
| End point timeframe:   | Day 15  |

| End point values             | Placebo         | C21 100 mg BID  |  |  |
|------------------------------|-----------------|-----------------|--|--|
| Subject group type           | Reporting group | Reporting group |  |  |
| Number of subjects analysed  | 116             | 111             |  |  |
| Units: Percentage responders |                 |                 |  |  |
| number (not applicable)      |                 |                 |  |  |
| Observed value               | 92.2            | 91.9            |  |  |
| Imputed value                | 91.6            | 92.0            |  |  |

## Statistical analyses

|   |                            |
|---|----------------------------|
| <b>Statistical analysis title</b>       | Sensitivity analysis       |
| Comparison groups                       | Placebo v C21 100 mg BID   |
| Number of subjects included in analysis | 227                        |
| Analysis specification                  | Pre-specified              |
| Analysis type                           | superiority <sup>[6]</sup> |
| P-value                                 | = 0.926                    |
| Method                                  | Regression, Logistic       |
| Parameter estimate                      | Risk difference (RD)       |
| Point estimate                          | 0.3                        |
| Confidence interval                     |                            |
| level                                   | 95 %                       |
| sides                                   | 2-sided                    |
| lower limit                             | -6.8                       |
| upper limit                             | 7.5                        |
| Variability estimate                    | Standard error of the mean |
| Dispersion value                        | 3.67                       |

Notes:

[6] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

## Secondary: Proportion of subjects discharged from hospital and free of supplemental oxygen-use at Day 15 (ITT)

|                        |   |
|------------------------|---|
| End point title        | Proportion of subjects discharged from hospital and free of supplemental oxygen-use at Day 15 (ITT)                           |
| End point description: | Proportion of Subjects Discharged From the Hospital and Free of Supplemental Oxygen-Use (responders) at Day 15 was calculated |
| End point type         | Secondary   |
| End point timeframe:   | Day 15  |

| End point values            | Placebo         | C21 100 mg BID  |  |  |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type          | Reporting group | Reporting group |  |  |
| Number of subjects analysed | 130             | 128             |  |  |
| Units: Percentage responder |                 |                 |  |  |
| number (not applicable)     |                 |                 |  |  |
| Observed value              | 70.0            | 68.8            |  |  |
| Imputed value               | 67.9            | 67.6            |  |  |

## Statistical analyses

| Statistical analysis title              | Statistical analysis       |
|---|----------------------------|
| Comparison groups                       | Placebo v C21 100 mg BID   |
| Number of subjects included in analysis | 258                        |
| Analysis specification                  | Pre-specified              |
| Analysis type                           | superiority <sup>[7]</sup> |
| P-value                                 | = 0.948                    |
| Method                                  | Regression, Logistic       |
| Parameter estimate                      | Risk difference (RD)       |
| Point estimate                          | -0.4                       |
| Confidence interval                     |                            |
| level                                   | 95 %                       |
| sides                                   | 2-sided                    |
| lower limit                             | -11.4                      |
| upper limit                             | 10.6                       |
| Variability estimate                    | Standard error of the mean |
| Dispersion value                        | 5.62                       |

Notes:

[7] - Statistics were based on imputed values using multiple imputation with a logistic regression model.

## Secondary: Proportion of subjects discharged from hospital and free of supplemental oxygen-use at Day 15 (PP)

|  |  |
|--|--|
| End point title  | Proportion of subjects discharged from hospital and free of supplemental oxygen-use at Day 15 (PP) |
| End point description:   |  |
| The proportion of subjects discharged from hospital and free of supplemental oxygen-use (responders) at Day 15 was calculated. |  |
| End point type   | Secondary  |
| End point timeframe:   |  |
| Day 15   |  |

| End point values            | Placebo         | C21 100 mg BID  |  |  |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type          | Reporting group | Reporting group |  |  |
| Number of subjects analysed | 115             | 111             |  |  |
| Units: Percentage responder |                 |                 |  |  |
| number (not applicable)     |                 |                 |  |  |
| Observed value              | 67.8            | 67.6            |  |  |
| Imputed value               | 66.7            | 68.2            |  |  |



## Statistical analyses

|   |                            |
|---|----------------------------|
| <b>Statistical analysis title</b>       | Sensitivity analysis (PP)  |
| Comparison groups                       | C21 100 mg BID v Placebo   |
| Number of subjects included in analysis | 226                        |
| Analysis specification                  | Pre-specified              |
| Analysis type                           | superiority                |
| P-value                                 | = 0.801                    |
| Method                                  | Regression, Logistic       |
| Parameter estimate                      | Risk difference (RD)       |
| Point estimate                          | 1.5                        |
| Confidence interval                     |                            |
| level                                   | 95 %                       |
| sides                                   | 2-sided                    |
| lower limit                             | -10.3                      |
| upper limit                             | 13.3                       |
| Variability estimate                    | Standard error of the mean |
| Dispersion value                        | 6.02                       |

## Secondary: Supplemental oxygen-free Days up to Day 29 (PP)

|                        |   |
|------------------------|---|
| End point title        | Supplemental oxygen-free Days up to Day 29 (PP) |
| End point description: |   |
| End point type         | Secondary                                       |
| End point timeframe:   |   |
| Day 1 to Day 29        |   |

|                               |                 |                 |  |  |
|-------------------------------|-----------------|-----------------|--|--|
| <b>End point values</b>       | Placebo         | C21 100 mg BID  |  |  |
| Subject group type            | Reporting group | Reporting group |  |  |
| Number of subjects analysed   | 112             | 109             |  |  |
| Units: Days                   |                 |                 |  |  |
| median (full range (min-max)) |                 |                 |  |  |
| Observed value                | 23.0 (-1 to 28) | 23.0 (-1 to 28) |  |  |
| Imputed value                 | 23.0 (-1 to 28) | 23.0 (-1 to 28) |  |  |

## Statistical analyses

|   |                                  |
|---|----------------------------------|
| <b>Statistical analysis title</b>       | Sensitivity analysis             |
| Comparison groups                       | Placebo v C21 100 mg BID         |
| Number of subjects included in analysis | 221                              |
| Analysis specification                  | Pre-specified                    |
| Analysis type                           | superiority <sup>[8]</sup>       |
| P-value                                 | = 0.273                          |
| Method                                  | Wilcoxon (Mann-Whitney)          |
| Parameter estimate                      | Median difference (final values) |
| Point estimate                          | 1                                |
| Confidence interval                     |                                  |
| level                                   | 95 %                             |
| sides                                   | 2-sided                          |
| lower limit                             | -0.3                             |
| upper limit                             | 2.1                              |

Notes:

[8] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

### Secondary: All-cause mortality up to Days 8, 15, 22, and 29 (ITT)

|                        |  |
|------------------------|--|
| End point title        | All-cause mortality up to Days 8, 15, 22, and 29 (ITT) |
| End point description: |  |
| End point type         | Secondary  |
| End point timeframe:   |  |
| Days 8, 15, 22, and 29 |  |

| End point values            | Placebo         | C21 100 mg BID  |  |  |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type          | Reporting group | Reporting group |  |  |
| Number of subjects analysed | 136             | 136             |  |  |
| Units: Deaths               |                 |                 |  |  |
| Day 8                       | 7               | 3               |  |  |
| Day 15                      | 7               | 7               |  |  |
| Day 22                      | 7               | 9               |  |  |
| Day 29                      | 8               | 9               |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Proportion of subjects discharged from hospital and free of supplemental oxygen-use, Day 8, Day 22, and Day 29 (ITT)

|   |  |
|---|--|
| End point title   | Proportion of subjects discharged from hospital and free of supplemental oxygen-use, Day 8, Day 22, and Day 29 (ITT) |
| End point description:  |  |
| Summary of proportion of subjects discharged from hospital and free of supplemental oxygen-use by time point using a multiple imputation method |  |

|                         |           |
|-------------------------|-----------|
| End point type          | Secondary |
| End point timeframe:    |           |
| Day 8, Day 22 or Day 29 |           |

| End point values             | Placebo         | C21 100 mg BID  |  |  |
|------------------------------|-----------------|-----------------|--|--|
| Subject group type           | Reporting group | Reporting group |  |  |
| Number of subjects analysed  | 136             | 136             |  |  |
| Units: Percentage responders |                 |                 |  |  |
| number (not applicable)      |                 |                 |  |  |
| Day 8                        | 36.8            | 46.8            |  |  |
| Day 22                       | 82.0            | 80.8            |  |  |
| Day 29                       | 85.1            | 84.6            |  |  |

### Statistical analyses

|   |                             |
|---|-----------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 8 |
| Comparison groups                       | Placebo v C21 100 mg BID    |
| Number of subjects included in analysis | 272                         |
| Analysis specification                  | Pre-specified               |
| Analysis type                           | superiority <sup>[9]</sup>  |
| P-value                                 | = 0.075                     |
| Method                                  | Regression, Logistic        |
| Parameter estimate                      | Risk difference (RD)        |
| Point estimate                          | 10                          |
| Confidence interval                     |                             |
| level                                   | 95 %                        |
| sides                                   | 2-sided                     |
| lower limit                             | -1                          |
| upper limit                             | 21                          |
| Variability estimate                    | Standard error of the mean  |
| Dispersion value                        | 5.62                        |

Notes:

[9] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 22 |
| Comparison groups                       | C21 100 mg BID v Placebo     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority <sup>[10]</sup>  |
| P-value                                 | = 0.806                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -1.2                         |

|                      |                            |
|----------------------|----------------------------|
| Confidence interval  |                            |
| level                | 95 %                       |
| sides                | 2-sided                    |
| lower limit          | -10.7                      |
| upper limit          | 8.3                        |
| Variability estimate | Standard error of the mean |
| Dispersion value     | 4.83                       |

Notes:

[10] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 29 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority <sup>[11]</sup>  |
| P-value                                 | = 0.9                        |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -0.6                         |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -9.2                         |
| upper limit                             | 8.1                          |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 4.39                         |

Notes:

[11] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

**Secondary: Proportion of hospitalized subjects on non-invasive mechanical ventilation, invasive mechanical ventilation, ECMO or using supplemental oxygen, Day 8, Day 15, Day 22, Day 29 and Day 60 (ITT)**

|                 |  |
|-----------------|--|
| End point title | Proportion of hospitalized subjects on non-invasive mechanical ventilation, invasive mechanical ventilation, ECMO or using supplemental oxygen, Day 8, Day 15, Day 22, Day 29 and Day 60 (ITT) |
|-----------------|--|

End point description:

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 8, Day 15, Day 22, Day 29 or Day 60

|                                 |                 |                 |  |  |
|---------------------------------|-----------------|-----------------|--|--|
| <b>End point values</b>         | Placebo         | C21 100 mg BID  |  |  |
| Subject group type              | Reporting group | Reporting group |  |  |
| Number of subjects analysed     | 136             | 136             |  |  |
| Units: Percentage of responders |                 |                 |  |  |
| number (not applicable)         |                 |                 |  |  |
| Day 8                           | 33.1            | 27.8            |  |  |

|        |      |      |  |  |
|--------|------|------|--|--|
| Day 15 | 19.0 | 14.7 |  |  |
| Day 22 | 15.5 | 13.3 |  |  |
| Day 29 | 14.1 | 13.2 |  |  |
| Day 60 | 7.5  | 7.3  |  |  |

## Statistical analyses

|   |                             |
|---|-----------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 8 |
| Comparison groups                       | Placebo v C21 100 mg BID    |
| Number of subjects included in analysis | 272                         |
| Analysis specification                  | Pre-specified               |
| Analysis type                           | superiority <sup>[12]</sup> |
| P-value                                 | = 0.332                     |
| Method                                  | Regression, Logistic        |
| Parameter estimate                      | Risk difference (RD)        |
| Point estimate                          | -5.2                        |
| Confidence interval                     |                             |
| level                                   | 95 %                        |
| sides                                   | 2-sided                     |
| lower limit                             | -15.8                       |
| upper limit                             | 5.3                         |
| Variability estimate                    | Standard error of the mean  |
| Dispersion value                        | 5.38                        |

Notes:

[12] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>   | Statistical analysis, Day 15 |
| Statistical analysis description:   |                              |
| Proportion of Hospitalized Subjects on Non-Invasive Mechanical Ventilation, Invasive Mechanical Ventilation, ECMO or with Supplemental Oxygen Use by Time Point was calculated using imputed values |                              |
| Comparison groups   | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis   | 272                          |
| Analysis specification  | Pre-specified                |
| Analysis type   | superiority <sup>[13]</sup>  |
| P-value   | = 0.348                      |
| Method  | Regression, Logistic         |
| Parameter estimate  | Risk difference (RD)         |
| Point estimate  | -4.4                         |
| Confidence interval   |                              |
| level   | 95 %                         |
| sides   | 2-sided                      |
| lower limit   | -13.4                        |
| upper limit   | 4.7                          |
| Variability estimate  | Standard error of the mean   |
| Dispersion value  | 4.64                         |

Notes:

[13] - Statistics are based on imputed values using multiple imputation with a logistic regression model

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 22 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority <sup>[14]</sup>  |
| P-value                                 | = 0.61                       |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -2.2                         |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -10.9                        |
| upper limit                             | 6.4                          |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 4.4                          |

Notes:

[14] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 29 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority <sup>[15]</sup>  |
| P-value                                 | = 0.843                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -0.8                         |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -9.1                         |
| upper limit                             | 7.5                          |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 4.23                         |

Notes:

[15] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 60 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority <sup>[16]</sup>  |
| P-value                                 | = 0.948                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -0.2                         |

|                      |                            |
|----------------------|----------------------------|
| Confidence interval  |                            |
| level                | 95 %                       |
| sides                | 2-sided                    |
| lower limit          | -6.4                       |
| upper limit          | 6                          |
| Variability estimate | Standard error of the mean |
| Dispersion value     | 3.16                       |

Notes:

[16] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

## Secondary: Proportion of Subjects Free of Respiratory Failure at Days 8, 22, 29, and 60 (ITT)

|                 |  |
|-----------------|--|
| End point title | Proportion of Subjects Free of Respiratory Failure at Days 8, 22, 29, and 60 (ITT) |
|-----------------|--|

End point description:

Proportion of Subjects Free of Respiratory Failure by Time Point was calculated using a Multiple Imputation Method

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 8, Day 22, Day 29 and Day 60

| End point values             | Placebo         | C21 100 mg BID  |  |  |
|------------------------------|-----------------|-----------------|--|--|
| Subject group type           | Reporting group | Reporting group |  |  |
| Number of subjects analysed  | 136             | 136             |  |  |
| Units: Percentage responders |                 |                 |  |  |
| number (not applicable)      |                 |                 |  |  |
| Day 8                        | 91.0            | 93.2            |  |  |
| Day 22                       | 93.3            | 93.5            |  |  |
| Day 29                       | 93.3            | 93.5            |  |  |
| Day 60                       | 92.5            | 92.7            |  |  |

## Statistical analyses

|   |                             |
|---|-----------------------------|
| Statistical analysis title              | Statistical analysis, Day 8 |
| Comparison groups                       | C21 100 mg BID v Placebo    |
| Number of subjects included in analysis | 272                         |
| Analysis specification                  | Pre-specified               |
| Analysis type                           | superiority <sup>[17]</sup> |
| P-value                                 | = 0.52                      |
| Method                                  | Regression, Logistic        |
| Parameter estimate                      | Risk difference (RD)        |
| Point estimate                          | 2.2                         |

|                      |                            |
|----------------------|----------------------------|
| Confidence interval  |                            |
| level                | 95 %                       |
| sides                | 2-sided                    |
| lower limit          | -4.4                       |
| upper limit          | 8.8                        |
| Variability estimate | Standard error of the mean |
| Dispersion value     | 3.36                       |

Notes:

[17] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 22 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority <sup>[18]</sup>  |
| P-value                                 | = 0.95                       |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | 0.2                          |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -5.7                         |
| upper limit                             | 6.1                          |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 3.01                         |

Notes:

[18] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 29 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority <sup>[19]</sup>  |
| P-value                                 | = 0.95                       |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | 0.2                          |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -5.7                         |
| upper limit                             | 6.1                          |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 3.01                         |

Notes:

[19] - Statistics are based on imputed values using multiple imputation with a logistic regression model.

|                                   |                              |
|-----------------------------------|------------------------------|
| <b>Statistical analysis title</b> | Statistical analysis, Day 60 |
| Comparison groups                 | Placebo v C21 100 mg BID     |



|   |                             |
|---|-----------------------------|
| Number of subjects included in analysis | 272                         |
| Analysis specification                  | Pre-specified               |
| Analysis type                           | superiority <sup>[20]</sup> |
| P-value                                 | = 0.948                     |
| Method                                  | Regression, Logistic        |
| Parameter estimate                      | Risk difference (RD)        |
| Point estimate                          | 0.2                         |
| Confidence interval                     |                             |
| level                                   | 95 %                        |
| sides                                   | 2-sided                     |
| lower limit                             | -6                          |
| upper limit                             | 6.4                         |
| Variability estimate                    | Standard error of the mean  |
| Dispersion value                        | 3.16                        |

Notes:

[20] - Statistics are based on imputed values using multiple imputation with a logistic regression model

### Secondary: Respiratory Failure-Free Days up to Day 60 (ITT)

|                        |  |
|------------------------|--|
| End point title        | Respiratory Failure-Free Days up to Day 60 (ITT)   |
| End point description: | Respiratory Failure-Free Days up to Day 60 are calculated. Missing data at a time point is imputed using multiple imputation with a logistic regression model. |
| End point type         | Secondary  |
| End point timeframe:   | Day 1 to Day 60  |

| End point values              | Placebo          | C21 100 mg BID   |  |  |
|-------------------------------|------------------|------------------|--|--|
| Subject group type            | Reporting group  | Reporting group  |  |  |
| Number of subjects analysed   | 136              | 136              |  |  |
| Units: Days                   |                  |                  |  |  |
| median (full range (min-max)) | 59.0 (0 to 59.0) | 59.0 (0 to 59.0) |  |  |

### Statistical analyses

|   |                                  |
|---|----------------------------------|
| Statistical analysis title              | Statistical analysis             |
| Comparison groups                       | Placebo v C21 100 mg BID         |
| Number of subjects included in analysis | 272                              |
| Analysis specification                  | Pre-specified                    |
| Analysis type                           | superiority                      |
| P-value                                 | = 0.881                          |
| Method                                  | Wilcoxon (Mann-Whitney)          |
| Parameter estimate                      | Median difference (final values) |
| Point estimate                          | 0                                |

|                     |         |
|---------------------|---------|
| Confidence interval |         |
| level               | 95 %    |
| sides               | 2-sided |
| lower limit         | 0       |
| upper limit         | 0       |

### Secondary: Proportion of subjects in each category of the 8-point ordinal scale, Day 8 (ITT)

|                        |   |
|------------------------|---|
| End point title        | Proportion of subjects in each category of the 8-point ordinal scale, Day 8 (ITT) |
| End point description: |   |
| End point type         | Secondary   |
| End point timeframe:   |   |
| Day 8                  |   |

| End point values            | Placebo         | C21 100 mg BID  |  |  |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type          | Reporting group | Reporting group |  |  |
| Number of subjects analysed | 131             | 129             |  |  |
| Units: Percentage subjects  |                 |                 |  |  |
| number (not applicable)     |                 |                 |  |  |
| Score 1                     | 27.5            | 38.0            |  |  |
| Score 2                     | 11.5            | 9.3             |  |  |
| Score 3                     | 9.9             | 5.4             |  |  |
| Score 4                     | 19.1            | 18.6            |  |  |
| Score 5                     | 23.7            | 21.7            |  |  |
| Score 6                     | 2.3             | 3.9             |  |  |
| Score 7                     | 1.5             | 0.8             |  |  |
| Score 8                     | 4.6             | 2.3             |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Proportion of Subjects in Each Category of the 8-Point Ordinal Scale, Day 15 (ITT)

|                        |  |
|------------------------|--|
| End point title        | Proportion of Subjects in Each Category of the 8-Point Ordinal Scale, Day 15 (ITT) |
| End point description: |  |
| End point type         | Secondary  |
| End point timeframe:   |  |
| Day 15                 |  |

| <b>End point values</b>     | Placebo         | C21 100 mg<br>BID |  |  |
|-----------------------------|-----------------|-------------------|--|--|
| Subject group type          | Reporting group | Reporting group   |  |  |
| Number of subjects analysed | 130             | 128               |  |  |
| Units: Percentage subjects  |                 |                   |  |  |
| number (not applicable)     |                 |                   |  |  |
| Score 1                     | 56.9            | 59.4              |  |  |
| Score 2                     | 14.6            | 10.9              |  |  |
| Score 3                     | 3.8             | 1.6               |  |  |
| Score 4                     | 7.7             | 15.6              |  |  |
| Score 5                     | 9.2             | 3.1               |  |  |
| Score 6                     | 1.5             | 4.7               |  |  |
| Score 7                     | 0.8             | 0                 |  |  |
| Score 8                     | 5.4             | 4.7               |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Proportion of subjects in each category of the 8-point ordinal scale, Day 22 (ITT)

|                        |  |
|------------------------|--|
| End point title        | Proportion of subjects in each category of the 8-point ordinal scale, Day 22 (ITT) |
| End point description: |  |
| End point type         | Secondary  |
| End point timeframe:   |  |
| Day 22                 |  |

| <b>End point values</b>     | Placebo         | C21 100 mg<br>BID |  |  |
|-----------------------------|-----------------|-------------------|--|--|
| Subject group type          | Reporting group | Reporting group   |  |  |
| Number of subjects analysed | 128             | 127               |  |  |
| Units: Percentage subjects  |                 |                   |  |  |
| number (not applicable)     |                 |                   |  |  |
| Score 1                     | 75.0            | 78.0              |  |  |
| Score 2                     | 11.7            | 8.7               |  |  |
| Score 3                     | 0               | 0.8               |  |  |
| Score 4                     | 2.3             | 3.9               |  |  |
| Score 5                     | 4.7             | 1.6               |  |  |
| Score 6                     | 0.8             | 0                 |  |  |
| Score 7                     | 0               | 0                 |  |  |
| Score 8                     | 5.5             | 7.1               |  |  |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Proportion of Subjects in Each Category of the 8-Point Ordinal Scale, Day 29 (ITT)

|                 |  |
|-----------------|--|
| End point title | Proportion of Subjects in Each Category of the 8-Point Ordinal Scale, Day 29 (ITT) |
|-----------------|--|

End point description:

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 29

| End point values            | Placebo         | C21 100 mg BID  |  |  |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type          | Reporting group | Reporting group |  |  |
| Number of subjects analysed | 128             | 127             |  |  |
| Units: Percentage subjects  |                 |                 |  |  |
| number (not applicable)     |                 |                 |  |  |
| Score 1                     | 84.4            | 85.8            |  |  |
| Score 2                     | 6.3             | 5.5             |  |  |
| Score 3                     | 0               | 0               |  |  |
| Score 4                     | 0               | 0.8             |  |  |
| Score 5                     | 2.3             | 0.8             |  |  |
| Score 6                     | 0.8             | 0               |  |  |
| Score 7                     | 0               | 0               |  |  |
| Score 8                     | 6.3             | 7.1             |  |  |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Proportion of Subjects in Each Category of the 8-Point Ordinal Scale, Day 60 (ITT)

|                 |  |
|-----------------|--|
| End point title | Proportion of Subjects in Each Category of the 8-Point Ordinal Scale, Day 60 (ITT) |
|-----------------|--|

End point description:

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 60

| End point values            | Placebo         | C21 100 mg<br>BID |  |  |
|-----------------------------|-----------------|-------------------|--|--|
| Subject group type          | Reporting group | Reporting group   |  |  |
| Number of subjects analysed | 128             | 127               |  |  |
| Units: Percentage subjects  |                 |                   |  |  |
| number (not applicable)     |                 |                   |  |  |
| Score 1                     | 87.5            | 89.0              |  |  |
| Score 2                     | 4.7             | 3.1               |  |  |
| Score 3                     | 0               | 0                 |  |  |
| Score 4                     | 0               | 0                 |  |  |
| Score 5                     | 0               | 0                 |  |  |
| Score 6                     | 0               | 0                 |  |  |
| Score 7                     | 0               | 0                 |  |  |
| Score 8                     | 7.8             | 7.9               |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Proportion of Subjects Needing ICU Stay at Days 8, 15, 22, 29, and 60 (ITT)

|                 |   |
|-----------------|---|
| End point title | Proportion of Subjects Needing ICU Stay at Days 8, 15, 22, 29, and 60 (ITT) |
|-----------------|---|

End point description:

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 8, Day 15, Day 22, Day 29 or Day 60

| End point values             | Placebo         | C21 100 mg<br>BID |  |  |
|------------------------------|-----------------|-------------------|--|--|
| Subject group type           | Reporting group | Reporting group   |  |  |
| Number of subjects analysed  | 136             | 136               |  |  |
| Units: Percentage responders |                 |                   |  |  |
| number (not applicable)      |                 |                   |  |  |
| Day 8                        | 12.5            | 8.1               |  |  |
| Day 15                       | 9.6             | 8.1               |  |  |
| Day 22                       | 7.4             | 8.1               |  |  |
| Day 29                       | 8.1             | 8.1               |  |  |
| Day 60                       | 8.8             | 8.1               |  |  |

### Statistical analyses

|   |                             |
|---|-----------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 8 |
| Comparison groups                       | Placebo v C21 100 mg BID    |
| Number of subjects included in analysis | 272                         |
| Analysis specification                  | Pre-specified               |
| Analysis type                           | superiority                 |
| P-value                                 | = 0.193                     |
| Method                                  | Regression, Logistic        |
| Parameter estimate                      | Risk difference (RD)        |
| Point estimate                          | -4.7                        |
| Confidence interval                     |                             |
| level                                   | 95 %                        |
| sides                                   | 2-sided                     |
| lower limit                             | -11.8                       |
| upper limit                             | 2.4                         |
| Variability estimate                    | Standard error of the mean  |
| Dispersion value                        | 3.63                        |

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 15 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority                  |
| P-value                                 | = 0.61                       |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -1.7                         |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -8.5                         |
| upper limit                             | 5                            |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 3.42                         |

|                                   |                              |
|-----------------------------------|------------------------------|
| <b>Statistical analysis title</b> | Statistical analysis, Day 22 |
| Comparison groups                 | Placebo v C21 100 mg BID     |

|   |                            |
|---|----------------------------|
| Number of subjects included in analysis | 272                        |
| Analysis specification                  | Pre-specified              |
| Analysis type                           | superiority                |
| P-value                                 | = 0.88                     |
| Method                                  | Regression, Logistic       |
| Parameter estimate                      | Risk difference (RD)       |
| Point estimate                          | 0.5                        |
| Confidence interval                     |                            |
| level                                   | 95 %                       |
| sides                                   | 2-sided                    |
| lower limit                             | -5.9                       |
| upper limit                             | 6.8                        |
| Variability estimate                    | Standard error of the mean |
| Dispersion value                        | 3.23                       |

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 29 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority                  |
| P-value                                 | = 0.935                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -0.3                         |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -6.7                         |
| upper limit                             | 6.2                          |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 3.3                          |

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 60 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority                  |
| P-value                                 | = 0.761                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -1                           |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -7.6                         |
| upper limit                             | 5.6                          |

|                      |                            |
|----------------------|----------------------------|
| Variability estimate | Standard error of the mean |
| Dispersion value     | 3.37                       |

### Secondary: Proportion of subjects on invasive mechanical ventilation or ECMO at Days 8, 15, 22, 29, and 60

|  |   |
|--|---|
| End point title  | Proportion of subjects on invasive mechanical ventilation or ECMO at Days 8, 15, 22, 29, and 60 |
| End point description:   |   |
| Missing data at a time point is imputed using multiple imputation with a logistic regression model |   |
| End point type   | Secondary   |
| End point timeframe:   |   |
| Day 8, Day 15, Day 22, Day 29 or Day 60  |   |

| End point values             | Placebo         | C21 100 mg BID  |  |  |
|------------------------------|-----------------|-----------------|--|--|
| Subject group type           | Reporting group | Reporting group |  |  |
| Number of subjects analysed  | 136             | 136             |  |  |
| Units: Percentage responders |                 |                 |  |  |
| number (not applicable)      |                 |                 |  |  |
| Day 8                        | 6.5             | 3.1             |  |  |
| Day 15                       | 8.3             | 7.3             |  |  |
| Day 22                       | 6.0             | 6.5             |  |  |
| Day 29                       | 6.0             | 6.5             |  |  |
| Day 60                       | 7.5             | 7.3             |  |  |

### Statistical analyses

|   |                             |
|---|-----------------------------|
| Statistical analysis title              | Statistical analysis, Day 8 |
| Comparison groups                       | Placebo v C21 100 mg BID    |
| Number of subjects included in analysis | 272                         |
| Analysis specification                  | Pre-specified               |
| Analysis type                           | superiority                 |
| P-value                                 | = 0.213                     |
| Method                                  | Regression, Logistic        |
| Parameter estimate                      | Risk difference (RD)        |
| Point estimate                          | -3.4                        |
| Confidence interval                     |                             |
| level                                   | 95 %                        |
| sides                                   | 2-sided                     |
| lower limit                             | -8.7                        |
| upper limit                             | 1.9                         |
| Variability estimate                    | Standard error of the mean  |
| Dispersion value                        | 2.7                         |



|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 15 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority                  |
| P-value                                 | = 0.768                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -1                           |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -7.8                         |
| upper limit                             | 5.7                          |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 3.44                         |

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 22 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority                  |
| P-value                                 | = 0.848                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | 0.6                          |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -5.2                         |
| upper limit                             | 6.3                          |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 2.93                         |

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 29 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority                  |
| P-value                                 | = 0.848                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | 0.6                          |

|                      |                            |
|----------------------|----------------------------|
| Confidence interval  |                            |
| level                | 95 %                       |
| sides                | 2-sided                    |
| lower limit          | -5.2                       |
| upper limit          | 6.3                        |
| Variability estimate | Standard error of the mean |
| Dispersion value     | 2.93                       |

|   |                              |
|---|------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis, Day 60 |
| Comparison groups                       | Placebo v C21 100 mg BID     |
| Number of subjects included in analysis | 272                          |
| Analysis specification                  | Pre-specified                |
| Analysis type                           | superiority                  |
| P-value                                 | = 0.948                      |
| Method                                  | Regression, Logistic         |
| Parameter estimate                      | Risk difference (RD)         |
| Point estimate                          | -0.2                         |
| Confidence interval                     |                              |
| level                                   | 95 %                         |
| sides                                   | 2-sided                      |
| lower limit                             | -6.4                         |
| upper limit                             | 6                            |
| Variability estimate                    | Standard error of the mean   |
| Dispersion value                        | 3.16                         |

### Secondary: Duration of Invasive Mechanical Ventilation/ECMO Use up to Day 60

|                        |   |
|------------------------|---|
| End point title        | Duration of Invasive Mechanical Ventilation/ECMO Use up to Day 60 |
| End point description: |   |
| End point type         | Secondary   |
| End point timeframe:   |   |
| Day 1 to Day 60        |   |

| End point values              | Placebo         | C21 100 mg BID  |  |  |
|-------------------------------|-----------------|-----------------|--|--|
| Subject group type            | Reporting group | Reporting group |  |  |
| Number of subjects analysed   | 136             | 136             |  |  |
| Units: Days                   |                 |                 |  |  |
| median (full range (min-max)) | 0.0 (0 to 58)   | 0.0 (0 to 57)   |  |  |

## Statistical analyses

|   |                                  |
|---|----------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis             |
| Comparison groups                       | Placebo v C21 100 mg BID         |
| Number of subjects included in analysis | 272                              |
| Analysis specification                  | Pre-specified                    |
| Analysis type                           | superiority                      |
| P-value                                 | = 0.818                          |
| Method                                  | Wilcoxon (Mann-Whitney)          |
| Parameter estimate                      | Median difference (final values) |
| Point estimate                          | 0                                |
| Confidence interval                     |                                  |
| level                                   | 95 %                             |
| sides                                   | 2-sided                          |
| lower limit                             | 0                                |
| upper limit                             | 0                                |

## Secondary: Duration of hospitalization, incl. re-hospitalization, up to Day 60 (ITT)

|   |   |
|---|---|
| End point title   | Duration of hospitalization, incl. re-hospitalization, up to Day 60 (ITT) |
| End point description:  |   |
| Missing data at a time point is imputed using multiple imputation with a logistic regression model. |   |
| End point type  | Secondary   |
| End point timeframe:  |   |
| Day 1 to Day 60   |   |

| End point values              | Placebo            | C21 100 mg BID    |  |  |
|-------------------------------|--------------------|-------------------|--|--|
| Subject group type            | Reporting group    | Reporting group   |  |  |
| Number of subjects analysed   | 136                | 136               |  |  |
| Units: Days                   |                    |                   |  |  |
| median (full range (min-max)) | 10.0 (2.0 to 60.0) | 9.3 (1.0 to 60.0) |  |  |

## Statistical analyses

|   |                                  |
|---|----------------------------------|
| <b>Statistical analysis title</b>       | Statistical analysis             |
| Comparison groups                       | Placebo v C21 100 mg BID         |
| Number of subjects included in analysis | 272                              |
| Analysis specification                  | Pre-specified                    |
| Analysis type                           | superiority                      |
| P-value                                 | = 0.479                          |
| Method                                  | Wilcoxon (Mann-Whitney)          |
| Parameter estimate                      | Median difference (final values) |
| Point estimate                          | -0.3                             |

|                     |         |
|---------------------|---------|
| Confidence interval |         |
| level               | 95 %    |
| sides               | 2-sided |
| lower limit         | -2      |
| upper limit         | 1       |

### Secondary: Duration of ICU stay, incl. re-admission, up to Day 60 (ITT)

|                        |  |
|------------------------|--|
| End point title        | Duration of ICU stay, incl. re-admission, up to Day 60 (ITT) |
| End point description: |  |
| End point type         | Secondary  |
| End point timeframe:   |  |
| Day 1 to Day 60        |  |

| End point values              | Placebo         | C21 100 mg BID  |  |  |
|-------------------------------|-----------------|-----------------|--|--|
| Subject group type            | Reporting group | Reporting group |  |  |
| Number of subjects analysed   | 136             | 136             |  |  |
| Units: Days                   |                 |                 |  |  |
| median (full range (min-max)) | 5.6 (0 to 60)   | 4.8 (0 to 60)   |  |  |

### Statistical analyses

|   |                                  |
|---|----------------------------------|
| Statistical analysis title              | Statistical analysis             |
| Comparison groups                       | Placebo v C21 100 mg BID         |
| Number of subjects included in analysis | 272                              |
| Analysis specification                  | Pre-specified                    |
| Analysis type                           | superiority                      |
| P-value                                 | = 0.419                          |
| Method                                  | Wilcoxon (Mann-Whitney)          |
| Parameter estimate                      | Median difference (final values) |
| Point estimate                          | 0                                |
| Confidence interval                     |                                  |
| level                                   | 95 %                             |
| sides                                   | 2-sided                          |
| lower limit                             | 0                                |
| upper limit                             | 0                                |

### Secondary: Change from baseline in SpO2/FiO2 at Day 15 (ITT)

|                 |   |
|-----------------|---|
| End point title | Change from baseline in SpO2/FiO2 at Day 15 (ITT) |
|-----------------|---|

End point description:

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 15

| End point values                       | Placebo            | C21 100 mg BID     |  |  |
|--|--------------------|--------------------|--|--|
| Subject group type                     | Reporting group    | Reporting group    |  |  |
| Number of subjects analysed            | 136                | 136                |  |  |
| Units: Percentage                      |                    |                    |  |  |
| arithmetic mean (full range (min-max)) | 1.97 (-0.6 to 3.6) | 2.06 (-0.7 to 3.6) |  |  |

### Statistical analyses

| Statistical analysis title              | Statistical analysis        |
|---|-----------------------------|
| Comparison groups                       | Placebo v C21 100 mg BID    |
| Number of subjects included in analysis | 272                         |
| Analysis specification                  | Pre-specified               |
| Analysis type                           | superiority <sup>[21]</sup> |
| P-value                                 | = 0.293                     |
| Method                                  | ANCOVA                      |
| Parameter estimate                      | LS mean difference          |
| Point estimate                          | 0.149                       |
| Confidence interval                     |                             |
| level                                   | 95 %                        |
| sides                                   | 2-sided                     |
| lower limit                             | -0.129                      |
| upper limit                             | 0.427                       |
| Variability estimate                    | Standard error of the mean  |
| Dispersion value                        | 0.141                       |

Notes:

[21] - LS mean, standard error, confidence intervals, and two-sided p-value are from an Analysis of Covariance (ANCOVA).

### Secondary: PK parameters - Cmax, C6

|                 |                          |
|-----------------|--------------------------|
| End point title | PK parameters - Cmax, C6 |
|-----------------|--------------------------|

End point description:

PK parameters were calculated in the PK population of 7 subjects. Only 6 subjects were included in the calculation of C6.

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Day 1

|                                       |                        |  |  |  |
|---------------------------------------|------------------------|--|--|--|
| <b>End point values</b>               | C21 100 mg<br>BID      |  |  |  |
| Subject group type                    | Reporting group        |  |  |  |
| Number of subjects analysed           | 7                      |  |  |  |
| Units: ng/ml                          |                        |  |  |  |
| geometric mean (full range (min-max)) |                        |  |  |  |
| Cmax                                  | 981.5 (446 to<br>3560) |  |  |  |
| C6                                    | 86.2 (22 to<br>450)    |  |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: PK Parameters, AUC(0-6), AUC(0-inf), AUClast

|  |  |
|--|--|
| End point title  | PK Parameters, AUC(0-6), AUC(0-inf), AUClast |
| End point description:<br>PK Parameters were calculated in the PK population of 7 subjects. Only 6 subjects were included in the analysis of AUC(0-6) and only 3 subjects were included in the analysis of AUC(0-inf). |  |
| End point type   | Secondary                                    |
| End point timeframe:<br>Day 1  |  |

|                                       |                          |  |  |  |
|---------------------------------------|--------------------------|--|--|--|
| <b>End point values</b>               | C21 100 mg<br>BID        |  |  |  |
| Subject group type                    | Reporting group          |  |  |  |
| Number of subjects analysed           | 7                        |  |  |  |
| Units: h*ng/ml                        |                          |  |  |  |
| geometric mean (full range (min-max)) |                          |  |  |  |
| AUC(0-6)                              | 2263.8 (1373<br>to 5625) |  |  |  |
| AUC(0-inf)                            | 3000.1 (1537<br>to 6052) |  |  |  |
| AUClast                               | 1902.0 (669 to<br>5625)  |  |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: PK parameters - tmax

|   |                      |
|---|----------------------|
| End point title   | PK parameters - tmax |
| End point description:<br>PK parameters were calculated in the PK population of 7 subjects. |                      |
| End point type  | Secondary            |

End point timeframe:

Day 1

|                               |                   |  |  |  |
|-------------------------------|-------------------|--|--|--|
| <b>End point values</b>       | C21 100 mg<br>BID |  |  |  |
| Subject group type            | Reporting group   |  |  |  |
| Number of subjects analysed   | 7                 |  |  |  |
| Units: hours                  |                   |  |  |  |
| median (full range (min-max)) | 1.0 (1 to 6)      |  |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Changes in safety laboratory assessments

|  |   |
|--|---|
| End point title  | Changes in safety laboratory assesments |
| End point description:<br>Clinically significant changes from baseline in hematology, clinical chemistry, or urinalysis parameters were monitored and no clinically meaningful mean changes from baseline were observed. |   |
| End point type   | Secondary                               |
| End point timeframe:<br>Day 1 to Day 60  |   |

|                                      |                 |                   |  |  |
|--------------------------------------|-----------------|-------------------|--|--|
| <b>End point values</b>              | Placebo         | C21 100 mg<br>BID |  |  |
| Subject group type                   | Reporting group | Reporting group   |  |  |
| Number of subjects analysed          | 133             | 134               |  |  |
| Units: Clinically meaningful changes | 0               | 0                 |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Withdrawals due to adverse events

|                        |                                   |
|------------------------|-----------------------------------|
| End point title        | Withdrawals due to adverse events |
| End point description: |                                   |
| End point type         | Secondary                         |
| End point timeframe:   |                                   |
| Day 1 to Day 60        |                                   |

| End point values            | Placebo         | C21 100 mg<br>BID |  |  |
|-----------------------------|-----------------|-------------------|--|--|
| Subject group type          | Reporting group | Reporting group   |  |  |
| Number of subjects analysed | 133             | 134               |  |  |
| Units: Subjects/events      |                 |                   |  |  |
| Subjects                    | 9               | 11                |  |  |
| Events                      | 10              | 11                |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: PK parameters - t1/2

|  |                      |
|--|----------------------|
| End point title  | PK parameters - t1/2 |
| End point description:<br>PK parameters were calculated in the PK population of 7 subjects. Only 3 subjects were included in the analysis of t1/2. |                      |
| End point type   | Secondary            |
| End point timeframe:<br>Day 1  |                      |

| End point values                     | C21 100 mg<br>BID |  |  |  |
|--------------------------------------|-------------------|--|--|--|
| Subject group type                   | Reporting group   |  |  |  |
| Number of subjects analysed          | 3                 |  |  |  |
| Units: Hours                         |                   |  |  |  |
| arithmetic mean (standard deviation) | 1.2 (± 0.55)      |  |  |  |

### Statistical analyses

No statistical analyses for this end point

### Other pre-specified: Change from baseline in CRP at Day 15

|                                |                                       |
|--------------------------------|---------------------------------------|
| End point title                | Change from baseline in CRP at Day 15 |
| End point description:         |                                       |
| End point type                 | Other pre-specified                   |
| End point timeframe:<br>Day 15 |                                       |



| End point values                     | Placebo               | C21 100 mg BID         |  |  |
|--------------------------------------|-----------------------|------------------------|--|--|
| Subject group type                   | Reporting group       | Reporting group        |  |  |
| Number of subjects analysed          | 80                    | 79                     |  |  |
| Units: mg/L                          |                       |                        |  |  |
| arithmetic mean (standard deviation) | -33.22 ( $\pm$ 53.87) | -20.19 ( $\pm$ 59.031) |  |  |

## Statistical analyses

| Statistical analysis title              | Statistical analysis     |
|---|--------------------------|
| Comparison groups                       | Placebo v C21 100 mg BID |
| Number of subjects included in analysis | 159                      |
| Analysis specification                  | Pre-specified            |
| Analysis type                           | superiority              |
| P-value                                 | = 0.043                  |
| Method                                  | ANCOVA                   |
| Parameter estimate                      | Risk ratio (RR)          |
| Point estimate                          | 1.47                     |
| Confidence interval                     |                          |
| level                                   | 95 %                     |
| sides                                   | 2-sided                  |
| lower limit                             | 1.01                     |
| upper limit                             | 2.14                     |

## Other pre-specified: Change from baseline in LDH at Day 15

|                        |                                       |
|------------------------|---------------------------------------|
| End point title        | Change from baseline in LDH at Day 15 |
| End point description: |                                       |
| End point type         | Other pre-specified                   |
| End point timeframe:   |                                       |
| Day 15                 |                                       |

| End point values                     | Placebo                 | C21 100 mg BID         |  |  |
|--------------------------------------|-------------------------|------------------------|--|--|
| Subject group type                   | Reporting group         | Reporting group        |  |  |
| Number of subjects analysed          | 79                      | 77                     |  |  |
| Units: U/L                           |                         |                        |  |  |
| arithmetic mean (standard deviation) | -101.72 ( $\pm$ 178.64) | -81.35 ( $\pm$ 185.06) |  |  |

## Statistical analyses

| Statistical analysis title              | Statistical analysis     |
|---|--------------------------|
| Comparison groups                       | Placebo v C21 100 mg BID |
| Number of subjects included in analysis | 156                      |
| Analysis specification                  | Pre-specified            |
| Analysis type                           | superiority              |
| P-value                                 | = 0.439                  |
| Method                                  | ANCOVA                   |
| Parameter estimate                      | Risk ratio (RR)          |
| Point estimate                          | 1.04                     |
| Confidence interval                     |                          |
| level                                   | 95 %                     |
| sides                                   | 2-sided                  |
| lower limit                             | 0.95                     |
| upper limit                             | 1.14                     |

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

AEs were collected from signing of the ICF until Day 29. SAEs were collected until Day 60

|                 |            |
|-----------------|------------|
| Assessment type | Systematic |
|-----------------|------------|

### Dictionary used

|                 |        |
|-----------------|--------|
| Dictionary name | MedDRA |
|-----------------|--------|

|                    |      |
|--------------------|------|
| Dictionary version | 25.0 |
|--------------------|------|

### Reporting groups

|                       |               |
|-----------------------|---------------|
| Reporting group title | Placebo group |
|-----------------------|---------------|

Reporting group description: -

|                       |           |
|-----------------------|-----------|
| Reporting group title | C21 group |
|-----------------------|-----------|

Reporting group description: -

| Serious adverse events  | Placebo group    | C21 group         |  |
|---|------------------|-------------------|--|
| Total subjects affected by serious adverse events                   |                  |                   |  |
| subjects affected / exposed   | 13 / 133 (9.77%) | 15 / 134 (11.19%) |  |
| number of deaths (all causes)                                       | 10               | 10                |  |
| number of deaths resulting from adverse events                      | 10               | 10                |  |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) |                  |                   |  |
| Acute lymphocytic leukaemia   |                  |                   |  |
| subjects affected / exposed   | 0 / 133 (0.00%)  | 1 / 134 (0.75%)   |  |
| occurrences causally related to treatment / all                     | 0 / 0            | 0 / 1             |  |
| deaths causally related to treatment / all                          | 0 / 0            | 0 / 0             |  |
| Vascular disorders  |                  |                   |  |
| Accelerated hypertension  |                  |                   |  |
| subjects affected / exposed   | 0 / 133 (0.00%)  | 1 / 134 (0.75%)   |  |
| occurrences causally related to treatment / all                     | 0 / 0            | 0 / 1             |  |
| deaths causally related to treatment / all                          | 0 / 0            | 0 / 0             |  |
| Hypotension   |                  |                   |  |
| subjects affected / exposed   | 0 / 133 (0.00%)  | 1 / 134 (0.75%)   |  |
| occurrences causally related to treatment / all                     | 0 / 0            | 0 / 1             |  |
| deaths causally related to treatment / all                          | 0 / 0            | 0 / 0             |  |
| Cardiac disorders   |                  |                   |  |
| Cardiac failure acute   |                  |                   |  |

|  |                 |                 |  |
|--|-----------------|-----------------|--|
| subjects affected / exposed                          | 3 / 133 (2.26%) | 2 / 134 (1.49%) |  |
| occurrences causally related to treatment / all      | 0 / 3           | 0 / 2           |  |
| deaths causally related to treatment / all           | 0 / 3           | 0 / 2           |  |
| Cardio-respiratory arrest                            |                 |                 |  |
| subjects affected / exposed                          | 1 / 133 (0.75%) | 0 / 134 (0.00%) |  |
| occurrences causally related to treatment / all      | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all           | 0 / 1           | 0 / 0           |  |
| Atrial fibrillation                                  |                 |                 |  |
| subjects affected / exposed                          | 0 / 133 (0.00%) | 1 / 134 (0.75%) |  |
| occurrences causally related to treatment / all      | 0 / 0           | 0 / 1           |  |
| deaths causally related to treatment / all           | 0 / 0           | 0 / 0           |  |
| Cor pulmonale  |                 |                 |  |
| subjects affected / exposed                          | 0 / 133 (0.00%) | 1 / 134 (0.75%) |  |
| occurrences causally related to treatment / all      | 0 / 0           | 0 / 1           |  |
| deaths causally related to treatment / all           | 0 / 0           | 0 / 1           |  |
| Frederick's syndrome                                 |                 |                 |  |
| subjects affected / exposed                          | 1 / 133 (0.75%) | 0 / 134 (0.00%) |  |
| occurrences causally related to treatment / all      | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all           | 0 / 1           | 0 / 0           |  |
| Blood and lymphatic system disorders                 |                 |                 |  |
| Lymphadenitis  |                 |                 |  |
| subjects affected / exposed                          | 1 / 133 (0.75%) | 0 / 134 (0.00%) |  |
| occurrences causally related to treatment / all      | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all           | 0 / 0           | 0 / 0           |  |
| General disorders and administration site conditions |                 |                 |  |
| Death  |                 |                 |  |
| subjects affected / exposed                          | 1 / 133 (0.75%) | 0 / 134 (0.00%) |  |
| occurrences causally related to treatment / all      | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all           | 0 / 1           | 0 / 0           |  |
| Gastrointestinal disorders                           |                 |                 |  |
| Intestinal obstruction                               |                 |                 |  |
| subjects affected / exposed                          | 0 / 133 (0.00%) | 1 / 134 (0.75%) |  |
| occurrences causally related to treatment / all      | 0 / 0           | 0 / 1           |  |
| deaths causally related to treatment / all           | 0 / 0           | 0 / 0           |  |

|  |                 |                 |  |
|--|-----------------|-----------------|--|
| Upper gastrointestinal haemorrhage<br>subjects affected / exposed  | 1 / 133 (0.75%) | 0 / 134 (0.00%) |  |
| occurrences causally related to<br>treatment / all                 | 0 / 1           | 0 / 0           |  |
| deaths causally related to<br>treatment / all                      | 0 / 1           | 0 / 0           |  |
| Respiratory, thoracic and mediastinal<br>disorders                 |                 |                 |  |
| Acute respiratory distress syndrome<br>subjects affected / exposed | 1 / 133 (0.75%) | 2 / 134 (1.49%) |  |
| occurrences causally related to<br>treatment / all                 | 0 / 1           | 0 / 2           |  |
| deaths causally related to<br>treatment / all                      | 0 / 1           | 0 / 2           |  |
| Acute respiratory failure<br>subjects affected / exposed           | 1 / 133 (0.75%) | 2 / 134 (1.49%) |  |
| occurrences causally related to<br>treatment / all                 | 0 / 1           | 0 / 2           |  |
| deaths causally related to<br>treatment / all                      | 0 / 1           | 0 / 2           |  |
| Pulmonary embolism<br>subjects affected / exposed                  | 0 / 133 (0.00%) | 2 / 134 (1.49%) |  |
| occurrences causally related to<br>treatment / all                 | 0 / 0           | 0 / 2           |  |
| deaths causally related to<br>treatment / all                      | 0 / 0           | 0 / 1           |  |
| Respiratory failure<br>subjects affected / exposed                 | 0 / 133 (0.00%) | 2 / 134 (1.49%) |  |
| occurrences causally related to<br>treatment / all                 | 0 / 0           | 0 / 2           |  |
| deaths causally related to<br>treatment / all                      | 0 / 0           | 0 / 0           |  |
| Chronic obstructive pulmonary<br>disease                           |                 |                 |  |
| subjects affected / exposed  | 1 / 133 (0.75%) | 0 / 134 (0.00%) |  |
| occurrences causally related to<br>treatment / all                 | 0 / 1           | 0 / 0           |  |
| deaths causally related to<br>treatment / all                      | 0 / 0           | 0 / 0           |  |
| Epistaxis<br>subjects affected / exposed                           | 0 / 133 (0.00%) | 1 / 134 (0.75%) |  |
| occurrences causally related to<br>treatment / all                 | 0 / 0           | 0 / 1           |  |
| deaths causally related to<br>treatment / all                      | 0 / 0           | 0 / 0           |  |
| Hypoxia<br>subjects affected / exposed                             | 0 / 133 (0.00%) | 1 / 134 (0.75%) |  |
| occurrences causally related to<br>treatment / all                 | 0 / 0           | 0 / 1           |  |
| deaths causally related to<br>treatment / all                      | 0 / 0           | 0 / 0           |  |

|   |                 |                 |  |
|---|-----------------|-----------------|--|
| Renal and urinary disorders                     |                 |                 |  |
| Acute kidney injury                             |                 |                 |  |
| subjects affected / exposed                     | 0 / 133 (0.00%) | 1 / 134 (0.75%) |  |
| occurrences causally related to treatment / all | 0 / 0           | 0 / 1           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Infections and infestations                     |                 |                 |  |
| COVID-19  |                 |                 |  |
| subjects affected / exposed                     | 2 / 133 (1.50%) | 2 / 134 (1.49%) |  |
| occurrences causally related to treatment / all | 0 / 2           | 0 / 2           |  |
| deaths causally related to treatment / all      | 0 / 2           | 0 / 2           |  |
| Pneumonia                                       |                 |                 |  |
| subjects affected / exposed                     | 1 / 133 (0.75%) | 1 / 134 (0.75%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 1           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| COVID-19 pneumonia                              |                 |                 |  |
| subjects affected / exposed                     | 1 / 133 (0.75%) | 0 / 134 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 1           | 0 / 0           |  |
| Septic shock                                    |                 |                 |  |
| subjects affected / exposed                     | 1 / 133 (0.75%) | 0 / 134 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |
| Metabolism and nutrition disorders              |                 |                 |  |
| Hyperkalaemia                                   |                 |                 |  |
| subjects affected / exposed                     | 0 / 133 (0.00%) | 1 / 134 (0.75%) |  |
| occurrences causally related to treatment / all | 0 / 0           | 0 / 1           |  |
| deaths causally related to treatment / all      | 0 / 0           | 0 / 0           |  |

Frequency threshold for reporting non-serious adverse events: 3 %

| Non-serious adverse events                            | Placebo group     | C21 group         |  |
|---|-------------------|-------------------|--|
| Total subjects affected by non-serious adverse events |                   |                   |  |
| subjects affected / exposed                           | 24 / 133 (18.05%) | 22 / 134 (16.42%) |  |
| Investigations  |                   |                   |  |

|  |  |  |  |
|--|--|--|--|
| Alanine aminotransferase increased<br>subjects affected / exposed<br>occurrences (all)   | 6 / 133 (4.51%)<br>6                             | 7 / 134 (5.22%)<br>9                             |  |
| Nervous system disorders<br>Headache<br>subjects affected / exposed<br>occurrences (all)   | 5 / 133 (3.76%)<br>6                             | 4 / 134 (2.99%)<br>4                             |  |
| Blood and lymphatic system disorders<br>Lymphopenia<br>subjects affected / exposed<br>occurrences (all)  | 4 / 133 (3.01%)<br>4                             | 1 / 134 (0.75%)<br>1                             |  |
| General disorders and administration<br>site conditions<br>Asthenia<br>subjects affected / exposed<br>occurrences (all)<br><br>Pyrexia<br>subjects affected / exposed<br>occurrences (all) | 4 / 133 (3.01%)<br>4<br><br>6 / 133 (4.51%)<br>6 | 4 / 134 (2.99%)<br>4<br><br>4 / 134 (2.99%)<br>4 |  |
| Gastrointestinal disorders<br>Nausea<br>subjects affected / exposed<br>occurrences (all)   | 4 / 133 (3.01%)<br>7                             | 7 / 134 (5.22%)<br>7                             |  |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date             | Amendment  |
|------------------|--|
| 02 July 2021     | <p>Protocol amendment 2, protocol version 3.0, 2-jul-2021:</p> <ul style="list-style-type: none"><li>• Change in LDH was added as an exploratory endpoint</li><li>• Interim analysis and DMC process was clarified. Ad hoc safety review meeting was added</li><li>• Description of individual change in ordinal scale scores reflected in the original primary endpoint (see Protocol Version 5.0 below) was added</li><li>• India-specific age limits and SpO2 criteria added to Inclusion Criteria 1 and 7, respectively.</li><li>• Active TB was added to Exclusion Criterion 2</li><li>• SpO2/FiO2 ratio was added to Exclusion Criterion 9</li><li>• Oral dispersion and nasoenteral feeding tube were added as alternative administration forms</li><li>• List with prohibited medication was added</li><li>• IMP discontinuation criteria were added for acute kidney and hepatic injury</li><li>• Text updated to specify that there were no specific criteria for temporary discontinuation of IMP in the protocol</li><li>• Additional 8-point ordinal scale assessment added at time of hospital discharge and in subjects hospitalized between Days 29 and 60</li><li>• Section 8.3 was updated to collect data on all types of hospital re-admissions</li><li>• Albumin and LDH were added to laboratory parameters</li><li>• Serum albumin was added to Child-Pugh System table</li><li>• Plots of cumulative distribution functions were added for the oxygen supplemental free days up to Day 29 endpoint</li><li>• Additional details on the originally planned interim analysis and sample size re-estimation (See Protocol Version 5.0 below) were provided, including a cap of 450 subjects per treatment group</li><li>• Option for a third DMC meeting was added</li><li>• Abstinence was removed from contraceptive and barrier guidance</li><li>• Procedure for discontinuation of HRT to check menopausal status removed</li><li>• SoC treatment for COVID-19 was specified</li><li>• Country specific requirements for India were added</li></ul> |
| 07 December 2021 | <p>Protocol amendment 3, Protocol version 4.0, 7-Dec-2021:</p> <ul style="list-style-type: none"><li>• Added "hospital-approved diagnostic" PCR test to Inclusion Criterion 2</li><li>• Exclusion Criterion 3 rephrased to clarify that the alterations in the Child-Pugh score were to be caused by altered hepatic function, not another underlying disease</li><li>• Exclusion Criterion 5 changed to a COVID-19 symptom onset &gt;21 days prior to screening (Visit 1)</li><li>• Oral dispersion was added as an option for subjects with gastric discomfort</li><li>• Specified that route of administration was captured in the eCRF</li><li>• Added option of local laboratory analysis of safety samples in special circumstances</li><li>• Clarification of grading of hepatic impairment (Update of Table 3 in the Protocol [Appendix 16.1.1])</li><li>• Subgroup analysis including presence of risk factors for severe COVID-19 was added</li><li>• Clarified that no adjustment for alpha was required</li></ul>  |



|               |   |
|---------------|---|
| 13 April 2022 | <p>This version was submitted and approved in all the countries, except for Colombia where the trial was completed under Protocol Version 4.0.</p> <p>The key changes in Version 5.0 of the protocol included:</p> <ul style="list-style-type: none"> <li>• The primary endpoint was changed after the last subject was enrolled. The primary endpoint was changed from “proportion of subjects discharged from hospital and free of supplemental oxygen at Day 15” to “all-cause mortality up to Day 60”. The previous primary endpoint was then considered a key secondary endpoint. Sections 1.1, 3.0, 4.2, 9.1.1, 9.3.2, and 9.3.3 were updated to reflect these changes.</li> <li>• Sample size was reduced from 600 to 300. Protocol Sections 1.1, 1.2, 4.1, 9.3.1, and 9.5 were updated to reflect the reduced sample size. Power calculations were updated to incorporate the new primary endpoint.</li> <li>• The hierarchy was revised for the statistical comparisons for the primary efficacy endpoint and the key secondary endpoint as follows; all-cause mortality up to Day 60, time to sustained hospital discharge up to Day 60, supplemental oxygen free days up to Day 29, proportion of subjects free of respiratory failure at Day 15, and proportion of subjects discharged from hospital and free of supplemental oxygen at Day 15. This means that statistically significant results for the comparison in the higher rank were required to initiate the testing of the next comparison in the lower rank. Since a step-down procedure was used, each comparison was tested at a significance level of 0.05 and an overall alpha level of 0.05 was preserved.</li> <li>• Removal of the planned interim analysis and sample size re-estimation due to decreased sample size.</li> <li>• Subgroup analyses based on race and ethnicity were added.</li> <li>• The number of subjects for the PK sampling was revised due to the decreased overall sample size.</li> </ul> |
|---------------|---|

Notes:

## Interruptions (globally)

Were there any global interruptions to the trial? No

## Limitations and caveats

None reported