



Clinical trial results:

A Phase 1/2a Trial of the Intravenous Administration of the SARS-CoV-2-Neutralizing Monoclonal Antibody DZIF-10c in SARS-CoV-2-Infected and -Uninfected Individuals

Summary

| | |
|--------------------------|----------------|
| EudraCT number | 2020-003503-34 |
| Trial protocol | DE |
| Global end of trial date | 11 August 2021 |

Results information

| | |
|--------------------------------|------------------|
| Result version number | v1 (current) |
| This version publication date | 05 November 2022 |
| First version publication date | 05 November 2022 |

Trial information

Trial identification

| | |
|-----------------------|----------------|
| Sponsor protocol code | Uni-Koeln-4288 |
|-----------------------|----------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT04631666 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|---|
| Sponsor organisation name | University of Cologne |
| Sponsor organisation address | Albertus-Magnus-Platz, Cologne, Germany, |
| Public contact | Florian Klein, Institute of Virology, 49 22147885800, |
| Scientific contact | Florian Klein, Institute of Virology, 49 22147885800, |

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 | 08 August 2022 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 14 July 2021 |
| Global end of trial reached? | Yes |
| Global end of trial date | 11 August 2021 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

To evaluate the safety and tolerability of a single intravenous infusion of DZIF-10c in SARS-CoV-2-uninfected and SARS-CoV-2-infected individuals.

Protection of trial subjects:

- Safety Monitoring Committee
- Frequent safety labs
- Hospitalization and monitoring for dosing in open-label dose escalation phase

Background therapy: -

Evidence for comparator: -

| | |
|---|------------------|
| Actual start date of recruitment | 08 December 2020 |
| 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 | Germany: 57 |
| Worldwide total number of subjects | 57 |
| EEA total number of subjects | 57 |

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 months) | 0 |
| Children (2-11 years) | 0 |
| Adolescents (12-17 years) | 0 |
| Adults (18-64 years) | 57 |
| From 65 to 84 years | 0 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details: -

Pre-assignment

Screening details:

Groups 1A, 1B, 1C, 1D: Generally healthy volunteers negative for SARS-CoV-2 RNA in swab and negative for SARS-CoV-2 antibodies by serology.

Groups 2C and 2D: SARS-CoV-2-infected volunteers positive for SARS-CoV-2 RNA in swab within 3 days of study drug administration, and within 7 days of symptom onset and/or negative SARS-CoV-2 antibody serology

Period 1

| | |
|------------------------------|--|
| Period 1 title | Baseline (overall period) |
| Is this the baseline period? | Yes |
| Allocation method | Randomised - controlled |
| Blinding used | Double blind |
| Roles blinded | Subject, Investigator, Data analyst, Carer, Assessor |

Blinding implementation details:

- Groups 1A, 1B, 1C, 1D, and 2C were open label and sequentially enrolled
- Group 2D was randomised and double blind

Arms

| | |
|------------------------------|------------------------|
| Are arms mutually exclusive? | Yes |
| Arm title | 1A: Healthy, 2.5 mg/kg |

Arm description:

Open label

| | |
|--|---|
| Arm type | Experimental |
| Investigational medicinal product name | DZIF-10c |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Concentrate and solvent for solution for infusion |
| Routes of administration | Infusion |

Dosage and administration details:

i.v. Infusion - see Arm title for dosage

| | |
|------------------|-----------------------|
| Arm title | 1B: Healthy, 10 mg/kg |
|------------------|-----------------------|

Arm description:

Open label

| | |
|--|---|
| Arm type | Experimental |
| Investigational medicinal product name | DZIF-10c |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Concentrate and solvent for solution for infusion |
| Routes of administration | Infusion |

Dosage and administration details:

i.v. Infusion - see Arm title for dosage

| | |
|------------------|-----------------------|
| Arm title | 1C: Healthy, 40 mg/kg |
|------------------|-----------------------|

Arm description:

Open label

| | |
|----------|--------------|
| Arm type | Experimental |
|----------|--------------|

| | |
|--|---|
| Investigational medicinal product name | DZIF-10c |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Concentrate and solvent for solution for infusion |
| Routes of administration | Infusion |
| Dosage and administration details: | |
| i.v. Infusion - see Arm title for dosage | |
| Arm title | 1D: Healthy, 80 mg/kg |
| Arm description: | |
| Open label | |
| Arm type | Experimental |
| Investigational medicinal product name | DZIF-10c |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Concentrate and solvent for solution for infusion |
| Routes of administration | Infusion |
| Dosage and administration details: | |
| i.v. Infusion - see Arm title for dosage | |
| Arm title | 2C: Infected, 40 mg/kg |
| Arm description: | |
| Open label | |
| Arm type | Experimental |
| Investigational medicinal product name | DZIF-10c |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Concentrate and solvent for solution for infusion |
| Routes of administration | Infusion |
| Dosage and administration details: | |
| i.v. Infusion - see Arm title for dosage | |
| Arm title | 2D: Infected, DZIF-10c, 40 mg/kg |
| Arm description: | |
| Randomised and double blind | |
| Arm type | Experimental |
| Investigational medicinal product name | DZIF-10c |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Concentrate and solvent for solution for infusion |
| Routes of administration | Infusion |
| Dosage and administration details: | |
| i.v. Infusion - see Arm title for dosage | |
| Arm title | 2D: Infected, Placebo i.v. |
| Arm description: | |
| Randomised and double-blind | |
| Arm type | Placebo |
| Investigational medicinal product name | Normal saline |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Sterile normale saline 0.9% used as placebo

| Number of subjects in period 1 | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg |
|---------------------------------------|------------------------|-----------------------|-----------------------|
| Started | 3 | 3 | 3 |
| Completed | 3 | 3 | 3 |

| Number of subjects in period 1 | 1D: Healthy, 80 mg/kg | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg |
|---------------------------------------|-----------------------|------------------------|----------------------------------|
| Started | 6 | 3 | 26 |
| Completed | 6 | 3 | 26 |

| Number of subjects in period 1 | 2D: Infected, Placebo i.v. |
|---------------------------------------|----------------------------|
| Started | 13 |
| Completed | 13 |

Baseline characteristics

Reporting groups

| | |
|------------------------------|----------------------------------|
| Reporting group title | 1A: Healthy, 2.5 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 1B: Healthy, 10 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 1C: Healthy, 40 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 1D: Healthy, 80 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 2C: Infected, 40 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 2D: Infected, DZIF-10c, 40 mg/kg |
| Reporting group description: | |
| Randomised and double blind | |
| Reporting group title | 2D: Infected, Placebo i.v. |
| Reporting group description: | |
| Randomised and double-blind | |

| Reporting group values | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg |
|---|------------------------|-----------------------|-----------------------|
| Number of subjects | 3 | 3 | 3 |
| Age categorical | | | |
| Units: Subjects | | | |
| In utero Preterm newborn infants (gestational age < 37 wks) Newborns (0-27 days) Infants and toddlers (28 days-23 months) Children (2-11 years) Adolescents (12-17 years) Adults (18-64 years) From 65-84 years 85 years and over | | | |
| Age continuous | | | |
| Units: years | | | |
| median | 26 | 28 | 28 |
| inter-quartile range (Q1-Q3) | 22 to 34 | 27 to 39 | 28 to 28 |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 0 | 3 | 1 |
| Male | 3 | 0 | 2 |

| Reporting group values | 1D: Healthy, 80 mg/kg | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg |
|---|-----------------------|------------------------|----------------------------------|
| Number of subjects | 6 | 3 | 26 |
| Age categorical Units: Subjects | | | |
| In utero Preterm newborn infants (gestational age < 37 wks) Newborns (0-27 days) Infants and toddlers (28 days-23 months) Children (2-11 years) Adolescents (12-17 years) Adults (18-64 years) From 65-84 years 85 years and over | | | |
| Age continuous Units: years | | | |
| median | 26.5 | 43 | 40 |
| inter-quartile range (Q1-Q3) | 26 to 28 | 41 to 48 | 30 to 52 |
| Gender categorical Units: Subjects | | | |
| Female | 5 | 2 | 11 |
| Male | 1 | 1 | 15 |

| Reporting group values | 2D: Infected, Placebo i.v. | Total | |
|---|----------------------------|--------------------------------------|--|
| Number of subjects | 13 | 57 | |
| Age categorical Units: Subjects | | | |
| In utero Preterm newborn infants (gestational age < 37 wks) Newborns (0-27 days) Infants and toddlers (28 days-23 months) Children (2-11 years) Adolescents (12-17 years) Adults (18-64 years) From 65-84 years 85 years and over | | 0 0 0 0 0 0 0 0 | |
| Age continuous Units: years | | | |
| median | 32 | | |
| inter-quartile range (Q1-Q3) | 25 to 47 | - | |
| Gender categorical Units: Subjects | | | |
| Female | 5 | 27 | |
| Male | 8 | 30 | |

End points

End points reporting groups

| | |
|------------------------------|----------------------------------|
| Reporting group title | 1A: Healthy, 2.5 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 1B: Healthy, 10 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 1C: Healthy, 40 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 1D: Healthy, 80 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 2C: Infected, 40 mg/kg |
| Reporting group description: | |
| Open label | |
| Reporting group title | 2D: Infected, DZIF-10c, 40 mg/kg |
| Reporting group description: | |
| Randomised and double blind | |
| Reporting group title | 2D: Infected, Placebo i.v. |
| Reporting group description: | |
| Randomised and double-blind | |

Primary: Proportion of patients with any AE within 7 d of study drug infusion

| | |
|---|---|
| End point title | Proportion of patients with any AE within 7 d of study drug infusion ^[1] |
| End point description: | |
| End point type | Primary |
| End point timeframe: | |
| Over first 7 days after trial drug infusion | |

Notes:

[1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: Descriptive end point

| End point values | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg | 1D: Healthy, 80 mg/kg |
|-----------------------------|------------------------|-----------------------|-----------------------|-----------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 3 | 3 | 3 | 6 |
| Units: % individuals | | | | |
| number (not applicable) | 66.7 | 33.3 | 0 | 0 |

| End point values | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 | 2D: Infected, Placebo i.v. | |
|------------------|------------------------|----------------------------|----------------------------|--|
|------------------|------------------------|----------------------------|----------------------------|--|

| | | mg/kg | | |
|-----------------------------|-----------------|-----------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 3 | 26 | 13 | |
| Units: % individuals | | | | |
| number (not applicable) | 0 | 42.3 | 61.5 | |

Statistical analyses

No statistical analyses for this end point

Secondary: DZIF-10c elimination half life

| | |
|------------------------|---|
| End point title | DZIF-10c elimination half life ^[2] |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| Study period | |

Notes:

[2] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.
Justification: Descriptive end point

| End point values | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg | 1D: Healthy, 80 mg/kg |
|---|------------------------|-----------------------|-----------------------|-----------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 3 | 3 | 3 | 6 |
| Units: days | | | | |
| geometric mean (geometric coefficient of variation) | 28.4 (± 17.5) | 24.2 (± 12.8) | 20.1 (± 9.53) | 20.9 (± 25.4) |

| End point values | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg | | |
|---|------------------------|----------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 3 | 26 | | |
| Units: days | | | | |
| geometric mean (geometric coefficient of variation) | 16.8 (± 45) | 21.8 (± 12.2) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: DZIF-10c peak serum concentration

| | |
|-----------------|--|
| End point title | DZIF-10c peak serum concentration ^[3] |
|-----------------|--|

End point description:

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

End point timeframe:

Study period

Notes:

[3] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: Descriptive end point

| End point values | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg | 1D: Healthy, 80 mg/kg |
|---|------------------------|-----------------------|-----------------------|-----------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 3 | 3 | 3 | 6 |
| Units: µg/ml | | | | |
| geometric mean (geometric coefficient of variation) | 54.3 (± 12.6) | 207 (± 8.92) | 738 (± 7.94) | 1480 (± 10.2) |

| End point values | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg | | |
|---|------------------------|----------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 3 | 26 | | |
| Units: µg/ml | | | | |
| geometric mean (geometric coefficient of variation) | 983 (± 8.9) | 970 (± 21.5) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: DZIF-10c Area under the Curve

| | |
|-----------------|--|
| End point title | DZIF-10c Area under the Curve ^[4] |
|-----------------|--|

End point description:

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

End point timeframe:

Study period

Notes:

[4] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: Descriptive end point

| End point values | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg | 1D: Healthy, 80 mg/kg |
|---|------------------------|-----------------------|-----------------------|-----------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 3 | 3 | 3 | 6 |
| Units: µg h/ml | | | | |
| geometric mean (geometric coefficient of variation) | 15400 (± 5.79) | 61700 (± 14.3) | 212000 (± 18.9) | 358000 (± 14.0) |

| End point values | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg | | |
|---|------------------------|----------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 3 | 26 | | |
| Units: µg h/ml | | | | |
| geometric mean (geometric coefficient of variation) | 236000 (± 24.4) | 235000 (± 15.5) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: DZIF-10c clearance

| | |
|-----------------|-----------------------------------|
| End point title | DZIF-10c clearance ^[5] |
|-----------------|-----------------------------------|

End point description:

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

End point timeframe:

Study period

Notes:

[5] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: Descriptive end point

| End point values | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg | 1D: Healthy, 80 mg/kg |
|---|------------------------|-----------------------|-----------------------|-----------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 3 | 3 | 3 | 6 |
| Units: ml/d | | | | |
| geometric mean (geometric coefficient of variation) | 311 (± 10.6) | 242 (± 26.8) | 282 (± 40.8) | 341 (± 14.1) |

| End point values | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg | | |
|-----------------------------|------------------------|----------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 3 | 26 | | |
| Units: ml/d | | | | |

| | | | | |
|---|-------------------|-------------------|--|--|
| geometric mean (geometric coefficient of variation) | 280 (\pm 24.2) | 339 (\pm 20.6) | | |
|---|-------------------|-------------------|--|--|

Statistical analyses

No statistical analyses for this end point

Secondary: DZIF-10c volume of distribution Vz

| | |
|-----------------|---|
| End point title | DZIF-10c volume of distribution Vz ^[6] |
|-----------------|---|

End point description:

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

End point timeframe:

Study period

Notes:

[6] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: Descriptive end point

| End point values | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg | 1D: Healthy, 80 mg/kg |
|---|------------------------|-----------------------|-----------------------|-----------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 3 | 3 | 3 | 6 |
| Units: ml | | | | |
| geometric mean (geometric coefficient of variation) | 12800 (\pm 11.7) | 8460 (\pm 18.0) | 8160 (\pm 45.7) | 10300 (\pm 21.8) |

| End point values | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg | | |
|---|------------------------|----------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 3 | 26 | | |
| Units: ml | | | | |
| geometric mean (geometric coefficient of variation) | 6790 (\pm 29.6) | 10700 (\pm 19.7) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Anti-Drug Antibody Development

| | |
|-----------------|---|
| End point title | Anti-Drug Antibody Development ^[7] |
|-----------------|---|

End point description:

Individuals developing anti-drug antibodies

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

End point timeframe:

Study period

Notes:

[7] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: Descriptive end point

| End point values | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg | 1D: Healthy, 80 mg/kg |
|-----------------------------|------------------------|-----------------------|-----------------------|-----------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 3 | 3 | 3 | 6 |
| Units: individuals | 0 | 0 | 0 | 0 |

| End point values | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg | | |
|-----------------------------|------------------------|----------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 3 | 26 | | |
| Units: individuals | 1 | 0 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Anti-Drug Antibody Peak Titer

| | |
|-----------------|--|
| End point title | Anti-Drug Antibody Peak Titer ^[8] |
|-----------------|--|

End point description:

Peak serum anti-drug antibody titer in individuals developing anti-drug antibodies

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

End point timeframe:

Study period

Notes:

[8] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: Descriptive end point

| End point values | 2C: Infected, 40 mg/kg | | | |
|-------------------------------|------------------------|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 1 | | | |
| Units: Reciprocal serum titer | | | | |
| number (not applicable) | 960 | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: SARS-CoV-2 viral load absolute change from baseline (NP swabs, E gene, time-weighted average change)

| | |
|-----------------|---|
| End point title | SARS-CoV-2 viral load absolute change from baseline (NP swabs, E gene, time-weighted average change) ^[9] |
|-----------------|---|

End point description:

Time-weighted average change

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

End point timeframe:

Up to day 28 visit

Notes:

[9] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.
Justification: Only randomized and controlled phase shown; preplanned as hypothesis-generating analysis

| End point values | 2D: Infected, DZIF-10c, 40 mg/kg | 2D: Infected, Placebo i.v. | | |
|-----------------------------|----------------------------------|----------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 26 | 13 | | |
| Units: Adjusted mean AOC | | | | |
| number (not applicable) | | | | |
| Over 7 days | -2.035 | -1.449 | | |
| Over 14 days | -3.273 | -2.668 | | |
| Over 28 days | -3.938 | -3.576 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: SARS-CoV-2 viral load absolute change from baseline (NP swabs, E gene, MMRM)

| | |
|-----------------|--|
| End point title | SARS-CoV-2 viral load absolute change from baseline (NP swabs, E gene, MMRM) ^[10] |
|-----------------|--|

End point description:

Mixed model for repeated measures

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

End point timeframe:

Day 1 to Day 29

Notes:

[10] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.
Justification: Only randomized and controlled phase shown; preplanned as hypothesis-generating analysis

| End point values | 2D: Infected, DZIF-10c, 40 mg/kg | 2D: Infected, Placebo i.v. | | |
|-----------------------------|--|-------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 26 | 13 | | |
| Units: Adjusted mean | | | | |
| number (not applicable) | | | | |
| Over 7 days | -4.3 | -3.3 | | |
| Over 14 days | -4.5 | -4.3 | | |
| Over 28 days | -4.7 | -4.6 | | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Treatment-emergent adverse events: All adverse events after drug intake until final study visit

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

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 23.1 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|------------------------|
| Reporting group title | 1A: Healthy, 2.5 mg/kg |
|-----------------------|------------------------|

Reporting group description:

Open label

| | |
|-----------------------|-----------------------|
| Reporting group title | 1B: Healthy, 10 mg/kg |
|-----------------------|-----------------------|

Reporting group description:

Open label

| | |
|-----------------------|-----------------------|
| Reporting group title | 1C: Healthy, 40 mg/kg |
|-----------------------|-----------------------|

Reporting group description:

Open label

| | |
|-----------------------|-----------------------|
| Reporting group title | 1D: Healthy, 80 mg/kg |
|-----------------------|-----------------------|

Reporting group description:

Open label

| | |
|-----------------------|------------------------|
| Reporting group title | 2C: Infected, 40 mg/kg |
|-----------------------|------------------------|

Reporting group description:

Open label

| | |
|-----------------------|----------------------------------|
| Reporting group title | 2D: Infected, DZIF-10c, 40 mg/kg |
|-----------------------|----------------------------------|

Reporting group description:

Randomised and double blind

| | |
|-----------------------|----------------------------|
| Reporting group title | 2D: Infected, Placebo i.v. |
|-----------------------|----------------------------|

Reporting group description:

Randomised and double-blind

| Serious adverse events | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg |
|---|------------------------|-----------------------|-----------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | | | |

| Serious adverse events | 1D: Healthy, 80 mg/kg | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg |
|---|-----------------------|------------------------|----------------------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from | | | |

| Serious adverse events | 2D: Infected, Placebo i.v. | | |
|---|-------------------------------|--|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| number of deaths (all causes) | 0 | | |
| number of deaths resulting from adverse events | | | |

Frequency threshold for reporting non-serious adverse events: 0 %

| Non-serious adverse events | 1A: Healthy, 2.5 mg/kg | 1B: Healthy, 10 mg/kg | 1C: Healthy, 40 mg/kg |
|---|---------------------------|--------------------------|--------------------------|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 2 / 3 (66.67%) | 1 / 3 (33.33%) | 2 / 3 (66.67%) |
| Vascular disorders | | | |
| Flushing | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 1 / 3 (33.33%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Hypertension | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Cardiac disorders | | | |
| Palpitations | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Nervous system disorders | | | |
| Headache | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 1 / 3 (33.33%) |
| occurrences (all) | 0 | 0 | 1 |
| Hyposmia | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Dysgeusia | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Disturbance in attention | | | |

| | | | |
|--|---------------|----------------|---------------|
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Hypogeusia | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Parosmia | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Ageusia | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Blood and lymphatic system disorders | | | |
| Anaemia | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 1 / 3 (33.33%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Neutropenia | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| General disorders and administration site conditions | | | |
| Pain | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Chest discomfort | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Fatigue | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Non-cardiac chest pain | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Pyrexia | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Malaise | | | |

| | | | |
|--|--------------------|--------------------|--------------------|
| subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Ear and labyrinth disorders | | | |
| Vertigo | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Tympanic membrane perforation | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Gastrointestinal disorders | | | |
| Dyspepsia | | | |
| subjects affected / exposed | 1 / 3 (33.33%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Proctalgia | | | |
| subjects affected / exposed | 1 / 3 (33.33%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Gastrooesophageal reflux disease | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Nausea | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Vomiting | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Oropharyngeal pain | | | |
| subjects affected / exposed | 1 / 3 (33.33%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Cough | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Dyspnoea | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | 0 / 3 (0.00%) | 0 / 3 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Skin and subcutaneous tissue disorders | | | |

| | | | |
|--|---------------------|--------------------|---------------------|
| Rash subjects affected / exposed occurrences (all) | 1 / 3 (33.33%) 1 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Pruritus subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Endocrine disorders Thyroid mass subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Musculoskeletal and connective tissue disorders Myalgia subjects affected / exposed occurrences (all) | 1 / 3 (33.33%) 2 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Arthralgia subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Infections and infestations COVID-19 subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 | 1 / 3 (33.33%) 1 |
| Rhinitis subjects affected / exposed occurrences (all) | 1 / 3 (33.33%) 1 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Cystitis subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Tonsillitis subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |
| Tooth abscess subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 3 (0.00%) 0 |

| | | | |
|---|-----------------------|------------------------|----------------------------------|
| Non-serious adverse events | 1D: Healthy, 80 mg/kg | 2C: Infected, 40 mg/kg | 2D: Infected, DZIF-10c, 40 mg/kg |
| Total subjects affected by non-serious adverse events | | | |

| subjects affected / exposed | 0 / 6 (0.00%) | 1 / 3 (33.33%) | 18 / 26 (69.23%) |
|--------------------------------------|---------------|----------------|------------------|
| Vascular disorders | | | |
| Flushing | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Hypertension | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Cardiac disorders | | | |
| Palpitations | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Nervous system disorders | | | |
| Headache | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 8 / 26 (30.77%) |
| occurrences (all) | 0 | 0 | 9 |
| Hyposmia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 1 / 3 (33.33%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Dysgeusia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Disturbance in attention | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Hypogeusia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Parosmia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Ageusia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Blood and lymphatic system disorders | | | |
| Anaemia | | | |

| | | | |
|--|---------------|---------------|-----------------|
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Neutropenia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| General disorders and administration site conditions | | | |
| Pain | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 4 / 26 (15.38%) |
| occurrences (all) | 0 | 0 | 4 |
| Chest discomfort | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Fatigue | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Non-cardiac chest pain | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Pyrexia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Malaise | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Ear and labyrinth disorders | | | |
| Vertigo | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Tympanic membrane perforation | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Gastrointestinal disorders | | | |
| Dyspepsia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Proctalgia | | | |

| | | | |
|---|---------------|---------------|-----------------|
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Gastrooesophageal reflux disease | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Nausea | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Vomiting | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Oropharyngeal pain | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 3 / 26 (11.54%) |
| occurrences (all) | 0 | 0 | 3 |
| Cough | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 8 / 26 (30.77%) |
| occurrences (all) | 0 | 0 | 10 |
| Dyspnoea | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 4 / 26 (15.38%) |
| occurrences (all) | 0 | 0 | 4 |
| Skin and subcutaneous tissue disorders | | | |
| Rash | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Pruritus | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |
| Endocrine disorders | | | |
| Thyroid mass | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 0 / 26 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Musculoskeletal and connective tissue disorders | | | |
| Myalgia | | | |
| subjects affected / exposed | 0 / 6 (0.00%) | 0 / 3 (0.00%) | 1 / 26 (3.85%) |
| occurrences (all) | 0 | 0 | 1 |

| | | | |
|---|--------------------|--------------------|---------------------|
| Arthralgia subjects affected / exposed occurrences (all) | 0 / 6 (0.00%) 0 | 0 / 3 (0.00%) 0 | 1 / 26 (3.85%) 1 |
| Infections and infestations COVID-19 subjects affected / exposed occurrences (all) | 0 / 6 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 26 (0.00%) 0 |
| Rhinitis subjects affected / exposed occurrences (all) | 0 / 6 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 26 (0.00%) 0 |
| Cystitis subjects affected / exposed occurrences (all) | 0 / 6 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 26 (0.00%) 0 |
| Tonsillitis subjects affected / exposed occurrences (all) | 0 / 6 (0.00%) 0 | 0 / 3 (0.00%) 0 | 0 / 26 (0.00%) 0 |
| Tooth abscess subjects affected / exposed occurrences (all) | 0 / 6 (0.00%) 0 | 0 / 3 (0.00%) 0 | 1 / 26 (3.85%) 1 |

| | | | |
|---|-------------------------------|--|--|
| Non-serious adverse events | 2D: Infected, Placebo i.v. | | |
| Total subjects affected by non-serious adverse events subjects affected / exposed | 10 / 13 (76.92%) | | |
| Vascular disorders Flushing subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Hypertension subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Cardiac disorders Palpitations subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Nervous system disorders Headache | | | |

| | | | |
|--|-----------------|--|--|
| subjects affected / exposed | 5 / 13 (38.46%) | | |
| occurrences (all) | 5 | | |
| Hyposmia | | | |
| subjects affected / exposed | 2 / 13 (15.38%) | | |
| occurrences (all) | 2 | | |
| Dysgeusia | | | |
| subjects affected / exposed | 2 / 13 (15.38%) | | |
| occurrences (all) | 2 | | |
| Disturbance in attention | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Hypogeusia | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Parosmia | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Ageusia | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| occurrences (all) | 0 | | |
| Blood and lymphatic system disorders | | | |
| Anaemia | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| occurrences (all) | 0 | | |
| Neutropenia | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| General disorders and administration site conditions | | | |
| Pain | | | |
| subjects affected / exposed | 2 / 13 (15.38%) | | |
| occurrences (all) | 2 | | |
| Chest discomfort | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Fatigue | | | |

| | | | |
|---|----------------|--|--|
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Non-cardiac chest pain | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Pyrexia | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Malaise | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| occurrences (all) | 0 | | |
| Ear and labyrinth disorders | | | |
| Vertigo | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Tympanic membrane perforation | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| occurrences (all) | 0 | | |
| Gastrointestinal disorders | | | |
| Dyspepsia | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| occurrences (all) | 0 | | |
| Proctalgia | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| occurrences (all) | 0 | | |
| Gastrooesophageal reflux disease | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Nausea | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Vomiting | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| occurrences (all) | 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |

| | | | |
|--|----------------------|--|--|
| Oropharyngeal pain subjects affected / exposed occurrences (all) | 1 / 13 (7.69%) 1 | | |
| Cough subjects affected / exposed occurrences (all) | 4 / 13 (30.77%) 5 | | |
| Dyspnoea subjects affected / exposed occurrences (all) | 3 / 13 (23.08%) 3 | | |
| Skin and subcutaneous tissue disorders | | | |
| Rash subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Pruritus subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Endocrine disorders | | | |
| Thyroid mass subjects affected / exposed occurrences (all) | 1 / 13 (7.69%) 1 | | |
| Musculoskeletal and connective tissue disorders | | | |
| Myalgia subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Arthralgia subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Infections and infestations | | | |
| COVID-19 subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Rhinitis subjects affected / exposed occurrences (all) | 0 / 13 (0.00%) 0 | | |
| Cystitis | | | |

| | | | |
|-----------------------------|----------------|--|--|
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Tonsillitis | | | |
| subjects affected / exposed | 1 / 13 (7.69%) | | |
| occurrences (all) | 1 | | |
| Tooth abscess | | | |
| subjects affected / exposed | 0 / 13 (0.00%) | | |
| occurrences (all) | 0 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|---------------|--|
| 20 April 2021 | Addition of higher dose open label group and changes in description of study drug administration procedure |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

Limitations of the trial such as small numbers of subjects analysed or technical problems leading to unreliable data.

Limited sample size.

Notes: