



Clinical trial results:

Randomized, Double-Blind, Multi-Center Study of Cefepime/AAI101 in Hospitalized Adults With Complicated Urinary Tract Infections, Including Acute Pyelonephritis

Summary

| | |
|--------------------------|------------------|
| EudraCT number | 2016-005161-31 |
| Trial protocol | HU PL |
| Global end of trial date | 14 February 2018 |

Results information

| | |
|--------------------------------|--------------|
| Result version number | v1 (current) |
| This version publication date | 21 May 2021 |
| First version publication date | 21 May 2021 |

Trial information

Trial identification

| | |
|-----------------------|--------|
| Sponsor protocol code | AT-201 |
|-----------------------|--------|

Additional study identifiers

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

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Allegra Therapeutics SAS |
| Sponsor organisation address | 10, rue Alexandre Freund, Saint-Louis, France, 68300 |
| Public contact | Head of Regulatory Affairs, Allegra Therapeutics SAS, +33 389689876, oml@allegra.com |
| Scientific contact | Head of Regulatory Affairs, Allegra Therapeutics SAS, +33 389689876, oml@allegra.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 | 12 March 2018 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 14 February 2018 |
| Global end of trial reached? | Yes |
| Global end of trial date | 14 February 2018 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

The primary objective was to determine the optimal cefepime/AAI101 combination dose to be used in future Phase 3 studies via PK/PD modelling to assess the Probability of Target Attainment (PTA) and the effect of treatment on liver enzymes.

Protection of trial subjects:

Only subjects that met all the study inclusion and none of the exclusion criteria were to be entered in the study. All subjects were free to withdraw from the clinical trial at any time for any reason given. Close monitoring of all subjects was adhered to throughout the trial conduct.

Background therapy:

-

Evidence for comparator:

-

| | |
|---|-------------------|
| Actual start date of recruitment | 05 September 2017 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | No |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|-------------|
| Country: Number of subjects enrolled | Ukraine: 20 |
| Country: Number of subjects enrolled | Poland: 14 |
| Country: Number of subjects enrolled | Slovakia: 5 |
| Country: Number of subjects enrolled | Hungary: 6 |
| Worldwide total number of subjects | 45 |
| EEA total number of subjects | 25 |

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) | 30 |
| From 65 to 84 years | 15 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

Hospitalized adults with complicated urinary tract infection (cUTI), including acute pyelonephritis were recruited between 05 September 2017 and 14 February 2018 in 17 sites in 4 countries.

Pre-assignment

Screening details:

All subjects were screened for eligibility to participate in the trial. Subjects were not to be randomised to trial treatment if any one of the trial specific entry criteria were violated.

Period 1

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

Arms

| | |
|------------------------------|---|
| Are arms mutually exclusive? | Yes |
| Arm title | Cohort 1 - Cefepime 1g / Enmetazobactam 500mg |

Arm description:

In cohort 1, subjects were randomly assigned in a 2:1 ratio to receive cefepime 1 g/AAI101 500 mg q8h or cefepime 1 g q8h.

| | |
|--|----------------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Cefepime 1g |
| Investigational medicinal product code | FEP |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Patients were treated with cefepime 1 g/enmetazobactam 500 mg i.v. infusion over 2 hours q8h

| | |
|--|--|
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg |
| Investigational medicinal product code | EMT |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Patients were treated with cefepime 1 g/enmetazobactam 500 mg i.v. infusion over 2 hours q8h

| | |
|------------------|------------------------|
| Arm title | Cohort 1 - Cefepime 1g |
|------------------|------------------------|

Arm description:

In cohort 1, subjects were randomly assigned in a 2:1 ratio to receive cefepime 1 g/AAI101 500 mg q8h or cefepime 1 g q8h.

| | |
|--|------------------------|
| Arm type | Active comparator |
| Investigational medicinal product name | Cefepime 1g |
| Investigational medicinal product code | FEP |
| Other name | |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Intravenous use |

Dosage and administration details:

Patients were treated with cefepime 1 g i.v. infusion over 2 hours q8h

| | |
|--|---|
| Arm title | Cohort 2 - Cefepime 2g / Enmetazobactam 750mg |
| Arm description: In cohort 2, subjects were randomly assigned in a 2:1 ratio to receive cefepime 2 g/AAI101 750 mg q8h or cefepime 2 g q8h. | |
| Arm type | Experimental |
| Investigational medicinal product name | Cefepime 2g |
| Investigational medicinal product code | FEP |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: Patients were treated with cefepime 2 g/enmetazobactam 750 mg i.v. infusion over 2 hours q8h | |
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 750mg |
| Investigational medicinal product code | EMT |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: Patients were treated with cefepime 2 g/enmetazobactam 750 mg i.v. infusion over 2 hours q8h | |
| Arm title | Cohort 2 - Cefepime 2g |

| | |
|--|----------------------------------|
| Arm description: In cohort 2, subjects were randomly assigned in a 2:1 ratio to receive cefepime 2 g/AAI101 750 mg q8h or cefepime 2 g q8h. | |
| Arm type | Active comparator |
| Investigational medicinal product name | Cefepime 2g |
| Investigational medicinal product code | FEP |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: Patients were treated with cefepime 2 g i.v. infusion over 2 hours q8h | |

| Number of subjects in period 1 | Cohort 1 - Cefepime 1g / Enmetazobactam 500mg | Cohort 1 - Cefepime 1g | Cohort 2 - Cefepime 2g / Enmetazobactam 750mg |
|---------------------------------------|---|------------------------|---|
| Started | 15 | 7 | 15 |
| Completed | 15 | 7 | 14 |
| Not completed | 0 | 0 | 1 |
| Consent withdrawn by subject | - | - | - |
| Adverse event, non-fatal | - | - | 1 |

| Number of subjects in period 1 | Cohort 2 - Cefepime 2g |
|---------------------------------------|------------------------|
| Started | 8 |
| Completed | 7 |
| Not completed | 1 |
| Consent withdrawn by subject | 1 |
| Adverse event, non-fatal | - |

Period 2

| | |
|------------------------------|---------------------|
| Period 2 title | Population PK model |
| Is this the baseline period? | No |
| Allocation method | Not applicable |
| Blinding used | Not blinded |

Arms

| | |
|------------------------------|---------------------------------------|
| Are arms mutually exclusive? | No |
| Arm title | Cefepime/Enmetazobactam MIC = 4 µg/mL |

Arm description: -

| | |
|--|----------------------------------|
| Arm type | MIC group |
| Investigational medicinal product name | Cefepime 2g q8h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

2 g intravenous (i.v.) infusion over 2 hours once every 8 hours (q8h)

| | |
|--|--|
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg q8h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

500 mg intravenous (i.v.) infusion over 2 hours once every 8 hours (q8h)

| | |
|--|----------------------------------|
| Investigational medicinal product name | Cefepime 2g q12h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

2 g intravenous (i.v.) infusion over 2 hours once every 12 hours (q12h)

| | |
|--|---|
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg q12h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

500 mg intravenous (i.v.) infusion over 2 hours once every 12 hours (q12h)

| | |
|------------------|---------------------------------------|
| Arm title | Cefepime/Enmetazobactam MIC = 8 µg/mL |
|------------------|---------------------------------------|

| | |
|--|---|
| Arm description: - | |
| Arm type | MIC group |
| Investigational medicinal product name | Cefepime 2g q8h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 2g intravenous (i.v.) infusion over 2 hours once every 8 hours (q8h) | |
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg q8h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 500 mg intravenous (i.v.) infusion over 2 hours once every 8 hours (q8h) | |
| Investigational medicinal product name | Cefepime 2g q12h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 2 g intravenous (i.v.) infusion over 2 hours once every 12 hours (q12h) | |
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg q12h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 500 mg intravenous (i.v.) infusion over 2 hours once every 12 hours (q12h) | |
| Arm title | Cefepime/Enmetazobactam MIC = 16 µg/mL |
| Arm description: - | |
| Arm type | MIC group |
| Investigational medicinal product name | Cefepime 2g q8h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 2 g intravenous (i.v.) infusion over 2 hours once every 8 hours (q8h) | |
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg q8h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 500 mg intravenous (i.v.) infusion over 2 hours once every 8 hours (q8h) | |
| Investigational medicinal product name | Cefepime 2g q12h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |

| | |
|--|---|
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 2 g intravenous (i.v.) infusion over 2 hours once every 12 hours (q12h) | |
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg q12h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 500 mg intravenous (i.v.) infusion over 2 hours once every 12 hours (q12h) | |
| Arm title | Cefepime/Enmetazobactam MIC = 32 µg/mL |
| Arm description: - | |
| Arm type | MIC group |
| Investigational medicinal product name | Cefepime 2g q8h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 2 g intravenous (i.v.) infusion over 2 hours once every 8 hours (q8h) | |
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg q8h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 500 mg intravenous (i.v.) infusion over 2 hours once every 8 hours (q8h) | |
| Investigational medicinal product name | Cefepime 2g q12h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 2 g intravenous (i.v.) infusion over 2 hours once every 12 hours (q12h) | |
| Investigational medicinal product name | Enmetazobactam (formerly AAI101) 500mg q12h |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |
| Dosage and administration details: | |
| 500 mg intravenous (i.v.) infusion over 2 hours once every 12 hours (q12h) | |

| Number of subjects in period 2 | Cefepime/Enmetazo bactam MIC = 4 µg/mL | Cefepime/Enmetazo bactam MIC = 8 µg/mL | Cefepime/Enmetazo bactam MIC = 16 µg/mL |
|---------------------------------------|--|--|---|
| Started | 1 | 1 | 1 |
| Completed | 1 | 1 | 1 |

| Number of subjects in period 2 | Cefepime/Enmetazo bactam MIC = 32 µg/mL |
|---------------------------------------|---|
| Started | 1 |
| Completed | 1 |

Baseline characteristics

Reporting groups

| | |
|--|---|
| Reporting group title | Cohort 1 - Cefepime 1g / Enmetazobactam 500mg |
| Reporting group description: In cohort 1, subjects were randomly assigned in a 2:1 ratio to receive cefepime 1 g/AAI101 500 mg q8h or cefepime 1 g q8h. | |
| Reporting group title | Cohort 1 - Cefepime 1g |
| Reporting group description: In cohort 1, subjects were randomly assigned in a 2:1 ratio to receive cefepime 1 g/AAI101 500 mg q8h or cefepime 1 g q8h. | |
| Reporting group title | Cohort 2 - Cefepime 2g / Enmetazobactam 750mg |
| Reporting group description: In cohort 2, subjects were randomly assigned in a 2:1 ratio to receive cefepime 2 g/AAI101 750 mg q8h or cefepime 2 g q8h. | |
| Reporting group title | Cohort 2 - Cefepime 2g |
| Reporting group description: In cohort 2, subjects were randomly assigned in a 2:1 ratio to receive cefepime 2 g/AAI101 750 mg q8h or cefepime 2 g q8h. | |

| Reporting group values | Cohort 1 - Cefepime 1g / Enmetazobactam 500mg | Cohort 1 - Cefepime 1g | Cohort 2 - Cefepime 2g / Enmetazobactam 750mg |
|---|---|------------------------|---|
| Number of subjects | 15 | 7 | 15 |
| Age categorical Units: Subjects | | | |
| Adults (18-64 years) | 9 | 4 | 10 |
| From 65 to 74 years | 4 | 2 | 4 |
| 75 years and older | 2 | 1 | 1 |
| Age continuous Units: years | | | |
| arithmetic mean | 56.7 | 57.0 | 49.8 |
| standard deviation | ± 18.32 | ± 18.09 | ± 19.96 |
| Gender categorical Units: Subjects | | | |
| Female | 11 | 2 | 11 |
| Male | 4 | 5 | 4 |
| Weight Units: kg | | | |
| arithmetic mean | 92.3 | 80.7 | 73.1 |
| standard deviation | ± 17.03 | ± 15.20 | ± 15.82 |
| Height Units: cm | | | |
| arithmetic mean | 168.2 | 173.3 | 166.2 |
| standard deviation | ± 7.33 | ± 7.87 | ± 7.17 |
| Body mass index Units: kg/m ² | | | |
| arithmetic mean | 32.5 | 26.8 | 26.4 |
| standard deviation | ± 5.02 | ± 4.37 | ± 5.28 |
| Creatinine clearance | | | |

| | | | |
|--------------------|---------|---------|---------|
| Units: mL/min | | | |
| arithmetic mean | 102.8 | 83.7 | 110.6 |
| standard deviation | ± 35.38 | ± 28.80 | ± 43.68 |

| Reporting group values | Cohort 2 - Cefepime 2g | Total | |
|------------------------|---------------------------|-------|--|
| Number of subjects | 8 | 45 | |
| Age categorical | | | |
| Units: Subjects | | | |
| Adults (18-64 years) | 7 | 30 | |
| From 65 to 74 years | 1 | 11 | |
| 75 years and older | 0 | 4 | |
| Age continuous | | | |
| Units: years | | | |
| arithmetic mean | 37.9 | - | |
| standard deviation | ± 21.09 | - | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 5 | 29 | |
| Male | 3 | 16 | |
| Weight | | | |
| Units: kg | | | |
| arithmetic mean | 71.0 | - | |
| standard deviation | ± 21.78 | - | |
| Height | | | |
| Units: cm | | | |
| arithmetic mean | 168.5 | - | |
| standard deviation | ± 7.09 | - | |
| Body mass index | | | |
| Units: kg/m2 | | | |
| arithmetic mean | 24.7 | - | |
| standard deviation | ± 5.77 | - | |
| Creatinine clearance | | | |
| Units: mL/min | | | |
| arithmetic mean | 95.0 | - | |
| standard deviation | ± 20.55 | - | |

Subject analysis sets

| | |
|----------------------------|-------------------------------------|
| Subject analysis set title | Modified Intent-to-Treat Population |
| Subject analysis set type | Intention-to-treat |

Subject analysis set description:

The ITT Population, defined as all patients who were randomized, included 45 (100.0%) patients. The MITT Population, defined as all patients who met ITT criteria and received any amount of study drug, included 45 (100.0%) patients.

| | |
|----------------------------|---|
| Subject analysis set title | Microbiological Modified Intent-to-Treat Population |
| Subject analysis set type | Modified intention-to-treat |

Subject analysis set description:

The Microbiological MITT (micro-MITT) Population included all randomized patients who met MITT criteria who had a study qualifying (105 CFU/mL) baseline bacterial pathogen on urine culture or the same pathogen present in concurrent blood and urine cultures that caused cUTI. The micro-MITT Population was the primary efficacy population.

| | |
|----------------------------|--------------------|
| Subject analysis set title | Population PK |
| Subject analysis set type | Sub-group analysis |

Subject analysis set description:

The population PK models for cefepime and enmetazobactam were applied to conduct a PK/PD target attainment assessment using Monte-Carlo simulations to support the dose selection for both compounds. For cefepime, 4000 patients were simulated, and probabilities of target attainment (PTAs) were calculated for a cefepime dose of 2 g q8h infused i.v. over 2 hours in patients with normal renal function or with mild renal impairment. PTAs were also calculated for patients with moderate renal impairment receiving an adjusted cefepime dose of 2 g once every 12 hours (q12h). For enmetazobactam, 4000 patients were simulated, and PTAs were calculated for ascending doses starting at 100 mg q8h infused i.v. over 2 hours for patients with normal renal function or with mild renal impairment. PTAs were also reported for patients with moderate renal impairment receiving an adjusted enmetazobactam dose administered q12h.

| Reporting group values | Modified Intent-to-Treat Population | Microbiological Modified Intent-to-Treat Population | Population PK |
|---------------------------------------|-------------------------------------|---|---------------|
| Number of subjects | 45 | 39 | 4 |
| Age categorical Units: Subjects | | | |
| Adults (18-64 years) | 30 | 26 | |
| From 65 to 74 years | 11 | 9 | |
| 75 years and older | 4 | 4 | |
| Age continuous Units: years | | | |
| arithmetic mean | 51.1 | 50.0 | |
| standard deviation | ± 19.94 | ± 20.79 | ± |
| Gender categorical Units: Subjects | | | |
| Female | 29 | 26 | |
| Male | 16 | 13 | |
| Weight Units: kg | | | |
| arithmetic mean | 80.1 | 79.3 | |
| standard deviation | ± 19.01 | ± 19.91 | ± |
| Height Units: cm | | | |
| arithmetic mean | 168.4 | 168.4 | |
| standard deviation | ± 7.44 | ± 7.32 | ± |
| Body mass index Units: kg/m2 | | | |
| arithmetic mean | 28.2 | 27.8 | |
| standard deviation | ± 5.90 | ± 6.18 | ± |
| Creatinine clearance Units: mL/min | | | |
| arithmetic mean | 101.0 | 100.5 | |
| standard deviation | ± 35.67 | ± 37.59 | ± |

End points

End points reporting groups

| | |
|--|---|
| Reporting group title | Cohort 1 - Cefepime 1g / Enmetazobactam 500mg |
| Reporting group description: In cohort 1, subjects were randomly assigned in a 2:1 ratio to receive cefepime 1 g/AAI101 500 mg q8h or cefepime 1 g q8h. | |
| Reporting group title | Cohort 1 - Cefepime 1g |
| Reporting group description: In cohort 1, subjects were randomly assigned in a 2:1 ratio to receive cefepime 1 g/AAI101 500 mg q8h or cefepime 1 g q8h. | |
| Reporting group title | Cohort 2 - Cefepime 2g / Enmetazobactam 750mg |
| Reporting group description: In cohort 2, subjects were randomly assigned in a 2:1 ratio to receive cefepime 2 g/AAI101 750 mg q8h or cefepime 2 g q8h. | |
| Reporting group title | Cohort 2 - Cefepime 2g |
| Reporting group description: In cohort 2, subjects were randomly assigned in a 2:1 ratio to receive cefepime 2 g/AAI101 750 mg q8h or cefepime 2 g q8h. | |
| Reporting group title | Cefepime/Enmetazobactam MIC = 4 µg/mL |
| Reporting group description: - | |
| Reporting group title | Cefepime/Enmetazobactam MIC = 8 µg/mL |
| Reporting group description: - | |
| Reporting group title | Cefepime/Enmetazobactam MIC = 16 µg/mL |
| Reporting group description: - | |
| Reporting group title | Cefepime/Enmetazobactam MIC = 32 µg/mL |
| Reporting group description: - | |
| Subject analysis set title | Modified Intent-to-Treat Population |
| Subject analysis set type | Intention-to-treat |
| Subject analysis set description: The ITT Population, defined as all patients who were randomized, included 45 (100.0%) patients. The MITT Population, defined as all patients who met ITT criteria and received any amount of study drug, included 45 (100.0%) patients. | |
| Subject analysis set title | Microbiological Modified Intent-to-Treat Population |
| Subject analysis set type | Modified intention-to-treat |
| Subject analysis set description: The Microbiological MITT (micro-MITT) Population included all randomized patients who met MITT criteria who had a study qualifying (105 CFU/mL) baseline bacterial pathogen on urine culture or the same pathogen present in concurrent blood and urine cultures that caused cUTI. The micro-MITT Population was the primary efficacy population. | |
| Subject analysis set title | Population PK |
| Subject analysis set type | Sub-group analysis |
| Subject analysis set description: The population PK models for cefepime and enmetazobactam were applied to conduct a PK/PD target attainment assessment using Monte-Carlo simulations to support the dose selection for both compounds. For cefepime, 4000 patients were simulated, and probabilities of target attainment (PTAs) were calculated for a cefepime dose of 2 g q8h infused i.v. over 2 hours in patients with normal renal function or with mild renal impairment. PTAs were also calculated for patients with moderate renal impairment receiving an adjusted cefepime dose of 2 g once every 12 hours (q12h). For enmetazobactam, 4000 patients were simulated, and PTAs were calculated for ascending doses starting at 100 mg q8h infused i.v. over 2 hours for patients with normal renal function or with mild renal impairment. PTAs were also reported for patients with moderate renal impairment receiving an adjusted enmetazobactam dose administered q12h. | |

Primary: Percentage of Simulated Patients With Complicated Urinary Tract Infection Achieving Pharmacokinetic/Pharmacodynamic Targets for Cefepime and AAI101 by Renal Function

| | |
|-----------------|---|
| End point title | Percentage of Simulated Patients With Complicated Urinary Tract Infection Achieving Pharmacokinetic/Pharmacodynamic Targets for Cefepime and AAI101 by Renal Function |
|-----------------|---|

End point description:

This table shows PTAs for enmetazobactam 500 mg applying a PK/PD target of 46% $fT > CT$ ($CT = 2 \mu g/mL$) and PTAs for cefepime 2 g applying a PK/PD target of 68% $fT > MIC$ ($MIC = 4, 8, 16, \text{ and } 32 \mu g/mL$) in simulated patients with cUTI by renal function. For the enmetazobactam PK/PD target of 46% $fT > CT$ ($CT = 2 \mu g/mL$), the PTAs were >98% for all renal function patient groups. For the cefepime PK/PD target of 68% $fT > MIC$, the PTAs were >95% for all renal function patient groups for cefepime/enmetazobactam MICs of 4 and 8 $\mu g/mL$. For a cefepime/enmetazobactam MIC $\geq 16 \mu g/mL$, the PTAs for cefepime were <95%.

Normal renal function was defined as creatinine clearance $>90 \text{ mL/min}$. Mild renal impairment was defined as creatinine clearance 60 to $<90 \text{ mL/min}$. Moderate renal impairment was defined as creatinine clearance 30 to $<60 \text{ mL/min}$.

i.v. = intravenous(ly); MIC = minimum inhibitory concentration; PD = pharmacodynamic; PK = pharmacokinetic; q8h = once every 8 hours; q12h = once every 12 hours.

| | |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

End of Treatment

| End point values | Cefepime/Enmetazobactam MIC = 4 $\mu g/mL$ | Cefepime/Enmetazobactam MIC = 8 $\mu g/mL$ | Cefepime/Enmetazobactam MIC = 16 $\mu g/mL$ | Cefepime/Enmetazobactam MIC = 32 $\mu g/mL$ |
|---|--|--|---|---|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 1 | 1 | 1 | 1 |
| Units: Percentage | | | | |
| number (not applicable) | | | | |
| Renal function normal / Cefepime 2g q8h | 99.8 | 95.6 | 57.6 | 1.3 |
| Renal function normal / Enmetazobactam 500mg q8h | 98.4 | 98.4 | 98.4 | 98.4 |
| Mild renal impairment / Cefepime 2g q8h | 100 | 99.9 | 94.8 | 20.4 |
| Mild renal impairment / Enmetazobactam 500mg q8h | 99.2 | 99.2 | 99.2 | 99.2 |
| Moderate renal impairment / Cefepime 2g q12h | 100 | 99.5 | 83.5 | 3.4 |
| Moderate renal impairment / Enmetazobactam 500mg q12h | 98.1 | 98.1 | 98.1 | 98.1 |

Statistical analyses

| | |
|----------------------------|------------------------------------|
| Statistical analysis title | PK modeling and simulation for PTA |
|----------------------------|------------------------------------|

Statistical analysis description:

Monte-Carlo simulations were performed, using a cUTI population that was similar in the covariates to the study population. The aim was to calculate Probabilities of target attainment (PTAs) for a dose of 2g cefepime and 500 mg enmetazobactam, respectively, given q8h as 2h infusion and adjusted to q12h for patients with moderate renal impairment. 4000 patients were simulated for each dosing group. To comply with data entry restrictions, patient number in each comparison group is set to 1.

| | |
|-------------------|--|
| Comparison groups | Cefepime/Enmetazobactam MIC = 4 $\mu g/mL$ v |
|-------------------|--|

| | |
|---|---|
| | Cefepime/Enmetazobactam MIC = 8 µg/mL v Cefepime/Enmetazobactam MIC = 16 µg/mL v Cefepime/Enmetazobactam MIC = 32 µg/mL |
| Number of subjects included in analysis | 4 |
| Analysis specification | Pre-specified |
| Analysis type | other ^[1] |
| P-value | = 1 ^[2] |
| Method | Computed modeling |
| Parameter estimate | descriptive |

Notes:

[1] - Monte Carlo simulation.

[2] - Not applicable

Other pre-specified: Microbiological Response Based on EMA Colony Forming Units/mL Criteria

| | |
|-----------------|--|
| End point title | Microbiological Response Based on EMA Colony Forming Units/mL Criteria |
|-----------------|--|

End point description:

This table summarizes the per-patient microbiological response based on EMA criteria for the micro-MITT Population.

Assessment of Microbiological Outcome

- Microbiological eradication – baseline qualifying bacterial pathogen was reduced to $<10^3$ CFU/mL according to the European Medicines Agency (EMA) criteria;
- Microbiological persistence – urine culture grew $\geq 10^3$ CFU/mL (EMA criteria) of the baseline qualifying pathogen identified at study entry; and
- Microbiological indeterminate – no urine culture was available, or the culture could not be interpreted for any reason.

Percentage was calculated using the number of patients in the column heading as the denominator.

CFU = colony forming units; FDA = Food and Drug Administration.

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Time Points for Microbiological Response

| End point values | Cohort 1 - Cefepime 1g / Enmetazobactam 500mg | Cohort 1 - Cefepime 1g | Cohort 2 - Cefepime 2g / Enmetazobactam 750mg | Cohort 2 - Cefepime 2g |
|----------------------------------|---|---------------------------|---|---------------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 13 | 7 | 11 | 8 |
| Units: Number of Subjects | | | | |
| Day 3 - Eradication | 12 | 7 | 10 | 7 |
| Day 3 - Persistence | 1 | 0 | 0 | 0 |
| Day 3 - Indeterminate | 0 | 0 | 1 | 1 |
| End of Treatment - Eradication | 11 | 5 | 10 | 7 |
| End of Treatment - Persistence | 1 | 1 | 0 | 0 |
| End of Treatment - Indeterminate | 1 | 1 | 1 | 1 |
| Test of Cure - Eradication | 10 | 7 | 10 | 4 |
| Test of Cure - Persistence | 3 | 0 | 0 | 3 |
| Test of Cure - Indeterminate | 0 | 0 | 1 | 1 |
| Late Follow-up - Eradication | 6 | 6 | 9 | 4 |
| Late Follow-up - Persistence | 5 | 1 | 1 | 3 |
| Late Follow-up - Indeterminate | 2 | 0 | 1 | 1 |

Statistical analyses

No statistical analyses for this end point

Post-hoc: Microbiological Response Based on EMA Colony Forming Units/mL Criteria – Patients With Positive Response of Extended-Spectrum β -Lactamase Ceftazidime and/or Cefotaxime Tests at Baseline

| | |
|-----------------|--|
| End point title | Microbiological Response Based on EMA Colony Forming Units/mL Criteria – Patients With Positive Response of Extended-Spectrum β -Lactamase Ceftazidime and/or Cefotaxime Tests at Baseline |
|-----------------|--|

End point description:

This table summarizes the ad-hoc analysis of the per-patient microbiological response based on EMA criteria in patients with an ESBL-producing organism (i.e. positive response to ESBL ceftazidime and/or cefotaxime tests at baseline) for the micro-MITT Population.

Assessment of Microbiological Outcome.

- Microbiological eradication – baseline qualifying bacterial pathogen was reduced to $<10^3$ CFU/mL according to the European Medicines Agency (EMA) criteria;
- Microbiological persistence – urine culture grew $\geq 10^3$ CFU/mL (EMA criteria) of the baseline qualifying pathogen identified at study entry; and
- Microbiological indeterminate – no urine culture was available, or the culture could not be interpreted for any reason.

Percentage was calculated using the number of patients in the column heading as the denominator. CFU = colony forming units; EMA = European Medicines Agency.

| | |
|----------------|----------|
| End point type | Post-hoc |
|----------------|----------|

End point timeframe:

Time points for microbiological response

| End point values | Cohort 1 - Cefepime 1g / Enmetazobactam 500mg | Cohort 1 - Cefepime 1g | Cohort 2 - Cefepime 2g / Enmetazobactam 750mg | Cohort 2 - Cefepime 2g |
|----------------------------------|---|---------------------------|---|---------------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 3 | 3 | 4 | 1 |
| Units: Number of Subjects | | | | |
| Day 3 - Eradication | 3 | 3 | 4 | 1 |
| Day 3 - Persistence | 0 | 0 | 0 | 0 |
| Day 3 - Indeterminate | 0 | 0 | 0 | 0 |
| End of Treatment - Eradication | 3 | 1 | 4 | 1 |
| End of Treatment - Persistence | 0 | 1 | 0 | 0 |
| End of Treatment - Indeterminate | 0 | 1 | 0 | 0 |
| Test of Cure - Eradication | 2 | 3 | 4 | 0 |
| Test of Cure - Persistence | 1 | 0 | 0 | 1 |
| Test of Cure - Indeterminate | 0 | 0 | 0 | 0 |
| Late Follow-up - Eradication | 1 | 3 | 3 | 0 |
| Late Follow-up - Persistence | 2 | 0 | 1 | 1 |
| Late Follow-up - Indeterminate | 0 | 0 | 0 | 0 |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

15-Sep-2017 to 14-Feb-2018

Adverse event reporting additional description:

This overview provides information on all adverse events (AEs) for the Safety Population, which included all patients who received at least 1 dose of study drug during the study.

Percentage was calculated using the number of patients in the column heading as the denominator. Only AEs up to 28 days post randomization were considered.

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

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 20.0 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|-------------------|
| Reporting group title | Safety Population |
|-----------------------|-------------------|

Reporting group description:

The Safety Population included all patients who received at least 1 dose of study drug during the study.

| | |
|-----------------------|--|
| Reporting group title | Cohort 1 - Cefepime 1 g/ Enmetazobactam 500 mg |
|-----------------------|--|

Reporting group description: -

| | |
|-----------------------|-------------------------|
| Reporting group title | Cohort 1 - Cefepime 1 g |
|-----------------------|-------------------------|

Reporting group description: -

| | |
|-----------------------|--|
| Reporting group title | Cohort 2 - Cefepime 2 g/ Enmetazobactam 750 mg |
|-----------------------|--|

Reporting group description: -

| | |
|-----------------------|-------------------------|
| Reporting group title | Cohort 2 - Cefepime 2 g |
|-----------------------|-------------------------|

Reporting group description: -

| Serious adverse events | Safety Population | Cohort 1 - Cefepime 1 g/ Enmetazobactam 500 mg | Cohort 1 - Cefepime 1 g |
|---|-------------------|---|----------------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 2 / 45 (4.44%) | 0 / 15 (0.00%) | 0 / 7 (0.00%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Colorectal cancer metastatic | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 0 / 15 (0.00%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Renal and urinary disorders | | | |
| Nephrolithiasis | | | |

| | | | |
|---|----------------|----------------|---------------|
| subjects affected / exposed | 0 / 45 (0.00%) | 0 / 15 (0.00%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

| Serious adverse events | Cohort 2 - Cefepime 2 g/ Enmetazobactam 750 mg | Cohort 2 - Cefepime 2 g | |
|---|---|----------------------------|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 2 / 15 (13.33%) | 0 / 8 (0.00%) | |
| number of deaths (all causes) | 0 | 0 | |
| number of deaths resulting from adverse events | 0 | 0 | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Colorectal cancer metastatic | | | |
| subjects affected / exposed | 1 / 15 (6.67%) | 0 / 8 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal and urinary disorders | | | |
| Nephrolithiasis | | | |
| subjects affected / exposed | 1 / 15 (6.67%) | 0 / 8 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

Frequency threshold for reporting non-serious adverse events: 2 %

| Non-serious adverse events | Safety Population | Cohort 1 - Cefepime 1 g/ Enmetazobactam 500 mg | Cohort 1 - Cefepime 1 g |
|---|-------------------|---|----------------------------|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 19 / 45 (42.22%) | 9 / 15 (60.00%) | 3 / 7 (42.86%) |
| Vascular disorders | | | |
| Hypertension | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 1 / 15 (6.67%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 1 | 0 |
| Phlebitis superficial | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 0 / 15 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| General disorders and administration site conditions | | | |

| | | | |
|--|---------------------|---------------------|--------------------|
| Edema peripheral subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Respiratory, thoracic and mediastinal disorders Cough subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Psychiatric disorders Nervousness subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Investigations ALT increased subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| AST increased subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Blood creatine phosphokinase increased subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 0 / 15 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| ECG-QT prolonged subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Gamma-glutamyltransferase increased subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Cardiac disorders Dilatation atrial subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Left ventricular hypertrophy subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Nervous system disorders | | | |

| | | | |
|---|---------------------|----------------------|---------------------|
| Headache subjects affected / exposed occurrences (all) | 4 / 45 (8.89%) 4 | 3 / 15 (20.00%) 3 | 0 / 7 (0.00%) 0 |
| Gastrointestinal disorders | | | |
| Constipation subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Nausea subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 0 / 15 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Vomiting subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Skin and subcutaneous tissue disorders | | | |
| Dermatitis allergic subjects affected / exposed occurrences (all) | 2 / 45 (4.44%) 2 | 0 / 15 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Rash maculo-papular subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 0 / 15 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Renal and urinary disorders | | | |
| Nephrolithiasis subjects affected / exposed occurrences (all) | 2 / 45 (4.44%) 2 | 0 / 15 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Endocrine disorders | | | |
| Hypoadosteronism subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Infections and infestations | | | |
| Hordeolum subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Respiratory tract infection subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Urinary tract infection fungal | | | |

| | | | |
|--|---------------------|---------------------|--------------------|
| subjects affected / exposed occurrences (all) | 1 / 45 (2.22%) 1 | 1 / 15 (6.67%) 1 | 0 / 7 (0.00%) 0 |
| Metabolism and nutrition disorders | | | |
| Dyslipidaemia | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 0 / 15 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 1 | 0 | 1 |
| Glucose tolerance impaired | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 1 / 15 (6.67%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 1 | 0 |
| Hypercholesterolaemia | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 0 / 15 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 1 | 0 | 1 |
| Hypomagnesaemia | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 1 / 15 (6.67%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 1 | 0 |
| Impaired fasting glucose | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 0 / 15 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 1 | 0 | 1 |
| Type 2 diabetes mellitus | | | |
| subjects affected / exposed | 1 / 45 (2.22%) | 0 / 15 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 1 | 0 | 1 |

| Non-serious adverse events | Cohort 2 - Cefepime 2 g/ Enmetazobactam 750 mg | Cohort 2 - Cefepime 2 g | |
|--|---|----------------------------|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 4 / 15 (26.67%) | 3 / 8 (37.50%) | |
| Vascular disorders | | | |
| Hypertension | | | |
| subjects affected / exposed | 0 / 15 (0.00%) | 0 / 8 (0.00%) | |
| occurrences (all) | 0 | 0 | |
| Phlebitis superficial | | | |
| subjects affected / exposed | 0 / 15 (0.00%) | 1 / 8 (12.50%) | |
| occurrences (all) | 0 | 1 | |
| General disorders and administration site conditions | | | |
| Edema peripheral | | | |

| | | | |
|---|---|---|--|
| subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Respiratory, thoracic and mediastinal disorders Cough subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Psychiatric disorders Nervousness subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Investigations ALT increased subjects affected / exposed occurrences (all) AST increased subjects affected / exposed occurrences (all) Blood creatine phosphokinase increased subjects affected / exposed occurrences (all) ECG-QT prolonged subjects affected / exposed occurrences (all) Gamma-glutamyltransferase increased subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 0 / 15 (0.00%) 0 0 / 15 (0.00%) 0 0 / 15 (0.00%) 0 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 0 / 8 (0.00%) 0 1 / 8 (12.50%) 1 0 / 8 (0.00%) 0 0 / 8 (0.00%) 0 | |
| Cardiac disorders Dilatation atrial subjects affected / exposed occurrences (all) Left ventricular hypertrophy subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 0 / 8 (0.00%) 0 | |
| Nervous system disorders | | | |

| | | | |
|---|----------------------|---------------------|--|
| Headache subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 1 / 8 (12.50%) 1 | |
| Gastrointestinal disorders Constipation subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Nausea subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Vomiting subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Skin and subcutaneous tissue disorders Dermatitis allergic subjects affected / exposed occurrences (all) | 2 / 15 (13.33%) 2 | 0 / 8 (0.00%) 0 | |
| Rash maculo-papular subjects affected / exposed occurrences (all) | 1 / 15 (6.67%) 1 | 0 / 8 (0.00%) 0 | |
| Renal and urinary disorders Nephrolithiasis subjects affected / exposed occurrences (all) | 1 / 15 (6.67%) 1 | 0 / 8 (0.00%) 0 | |
| Endocrine disorders Hypoaldosteronism subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Infections and infestations Hordeolum subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Respiratory tract infection subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Urinary tract infection fungal | | | |

| | | | |
|--|---------------------|--------------------|--|
| subjects affected / exposed occurrences (all) | 0 / 15 (0.00%) 0 | 0 / 8 (0.00%) 0 | |
| Metabolism and nutrition disorders | | | |
| Dyslipidaemia | | | |
| subjects affected / exposed | 0 / 15 (0.00%) | 0 / 8 (0.00%) | |
| occurrences (all) | 0 | 0 | |
| Glucose tolerance impaired | | | |
| subjects affected / exposed | 0 / 15 (0.00%) | 0 / 8 (0.00%) | |
| occurrences (all) | 0 | 0 | |
| Hypercholesterolaemia | | | |
| subjects affected / exposed | 0 / 15 (0.00%) | 0 / 8 (0.00%) | |
| occurrences (all) | 0 | 0 | |
| Hypomagnesaemia | | | |
| subjects affected / exposed | 0 / 15 (0.00%) | 0 / 8 (0.00%) | |
| occurrences (all) | 0 | 0 | |
| Impaired fasting glucose | | | |
| subjects affected / exposed | 0 / 15 (0.00%) | 0 / 8 (0.00%) | |
| occurrences (all) | 0 | 0 | |
| Type 2 diabetes mellitus | | | |
| subjects affected / exposed | 0 / 15 (0.00%) | 0 / 8 (0.00%) | |
| occurrences (all) | 0 | 1 | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? No

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported