

**Clinical trial results:****A Randomized, Placebo-Controlled, Phase IIb Dose-Finding Study of CYT003-QbG10, a TLR9-Agonist, in Patients with Moderate to Severe Allergic Asthma not Sufficiently Controlled on Current Standard Therapy (GINA Steps 3+4)****Summary**

| | |
|--------------------------|----------------|
| EudraCT number | 2012-003070-39 |
| Trial protocol | HU DE CZ PL |
| Global end of trial date | 14 April 2014 |

Results information

| | |
|-----------------------------------|--|
| Result version number | v2 (current) |
| This version publication date | 17 July 2016 |
| First version publication date | 25 February 2015 |
| Version creation reason | <ul style="list-style-type: none">• Correction of full data set correction needed due to EudraCT downtime between Jul-2015 and Jan 2016 |
| Summary attachment (see zip file) | Study report (CYT003_CSR_140811_HA3_12_Study Report_Final.pdf) Appendix 16.1.5 Signatures (QbG10_CSR_140811_HA3_12_Appendix 16.1.5 Signatures.pdf) Addendum 17.1 Safety (QbG10_CSR_140811_TL1_12_Addendum_17_1_Safety_Final.pdf) Addendum 17.2 Efficacy (CYT003_CSR_140811_WJ1_12_Addendum_17_2_Efficacy_Final.pdf) |

Trial information**Trial identification**

| | |
|-----------------------|----------------|
| Sponsor protocol code | CYT003-QbG1012 |
|-----------------------|----------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT01673672 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Cytos Biotechnology AG |
| Sponsor organisation address | Wagistrasse 25, Schlieren, Switzerland, 8952 |
| Public contact | Information Desk, Cytos Biotechnology AG, 0041 447334747, info@cytos.com |
| Scientific contact | Information Desk, Cytos Biotechnology AG, 0041 447334747, info@cytos.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 | 14 April 2014 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 14 April 2014 |
| Global end of trial reached? | Yes |
| Global end of trial date | 14 April 2014 |
| Was the trial ended prematurely? | Yes |

Notes:

General information about the trial

Main objective of the trial:

The primary objective of this study is to assess the therapeutic potential and safety/tolerability of CYT003-QbG10 at 3 dose levels versus placebo in patients with persistent moderate to severe allergic asthma not sufficiently controlled on current standard therapy

Protection of trial subjects:

Usual standard of care; study drug as add-on therapy

Background therapy:

Current standard inhaled corticosteroids (ICS) with or without long-acting β 2 agonist (\pm LABA) therapy (Global Initiative for Asthma [GINA] steps 3 and 4)

Evidence for comparator:

No comparator used

| | |
|---|-----------------|
| Actual start date of recruitment | 14 October 2012 |
| 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 | Poland: 34 |
| Country: Number of subjects enrolled | Czech Republic: 22 |
| Country: Number of subjects enrolled | Germany: 44 |
| Country: Number of subjects enrolled | Hungary: 39 |
| Country: Number of subjects enrolled | United States: 115 |
| Country: Number of subjects enrolled | Israel: 22 |
| Country: Number of subjects enrolled | Russian Federation: 15 |
| Country: Number of subjects enrolled | Ukraine: 74 |

| | |
|------------------------------------|-----|
| Worldwide total number of subjects | 365 |
| EEA total number of subjects | 139 |

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) | 365 |
| From 65 to 84 years | 0 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

First patient first visit: 14-Oct-2012; Last patient last visit: 24-Jan-2014. Patient assessments performed at Investigator sites.

Pre-assignment

Screening details:

606 patients have been screened; 241 patients were screening failures; 365 patients have been included and dosed.

Period 1

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

Blinding implementation details:

Study was kept double-blind until study report was finalized

Arms

| | |
|------------------------------|-----|
| Are arms mutually exclusive? | Yes |
|------------------------------|-----|

| | |
|------------------|---------|
| Arm title | Placebo |
|------------------|---------|

Arm description:

Placebo (buffer)

| | |
|--|---------------------------------|
| Arm type | Placebo |
| Investigational medicinal product name | Placebo |
| Investigational medicinal product code | Placebo |
| Other name | |
| Pharmaceutical forms | Solution for injection/infusion |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

7 subcutaneous injections of 1 ml over 10 weeks

| | |
|------------------|--------|
| Arm title | 0.3 mg |
|------------------|--------|

Arm description:

0.3 mg CYT003

| | |
|--|---------------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | 0.3 mg CYT003 |
| Investigational medicinal product code | 0.3 mg CYT003 |
| Other name | |
| Pharmaceutical forms | Solution for injection/infusion |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

7 subcutaneous injections of 1 ml over 10 weeks

| | |
|------------------|--------|
| Arm title | 1.0 mg |
|------------------|--------|

Arm description:

1.0 mg CYT003

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

| | |
|--|---------------------------------|
| Investigational medicinal product name | 1.0 mg CYT003 |
| Investigational medicinal product code | 1.0 mg CYT003 |
| Other name | |
| Pharmaceutical forms | Solution for injection/infusion |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

7 subcutaneous injections of 1 ml over 10 weeks

| | |
|------------------|--------|
| Arm title | 2.0 mg |
|------------------|--------|

Arm description:

2.0 mg CYT003

| | |
|--|---------------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | 2.0 mg CYT003 |
| Investigational medicinal product code | 2.0 mg CYT003 |
| Other name | |
| Pharmaceutical forms | Solution for injection/infusion |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

7 subcutaneous injections of 1 ml over 10 weeks

| Number of subjects in period 1 | Placebo | 0.3 mg | 1.0 mg |
|---------------------------------------|---------|--------|--------|
| Started | 89 | 91 | 94 |
| Completed | 87 | 88 | 90 |
| Not completed | 2 | 3 | 4 |
| Consent withdrawn by subject | 2 | 3 | 4 |

| Number of subjects in period 1 | 2.0 mg |
|---------------------------------------|--------|
| Started | 91 |
| Completed | 89 |
| Not completed | 2 |
| Consent withdrawn by subject | 2 |

Baseline characteristics

Reporting groups

| | |
|--|---------|
| Reporting group title | Placebo |
| Reporting group description: Placebo (buffer) | |
| Reporting group title | 0.3 mg |
| Reporting group description: 0.3 mg CYT003 | |
| Reporting group title | 1.0 mg |
| Reporting group description: 1.0 mg CYT003 | |
| Reporting group title | 2.0 mg |
| Reporting group description: 2.0 mg CYT003 | |

| Reporting group values | Placebo | 0.3 mg | 1.0 mg |
|--|---------|---------|---------|
| Number of subjects | 89 | 91 | 94 |
| Age categorical Units: Subjects | | | |
| In utero | 0 | 0 | 0 |
| Preterm newborn infants (gestational age < 37 wks) | 0 | 0 | 0 |
| Newborns (0-27 days) | 0 | 0 | 0 |
| Infants and toddlers (28 days-23 months) | 0 | 0 | 0 |
| Children (2-11 years) | 0 | 0 | 0 |
| Adolescents (12-17 years) | 0 | 0 | 0 |
| Adults (18-64 years) | 89 | 91 | 94 |
| From 65-84 years | 0 | 0 | 0 |
| 85 years and over | 0 | 0 | 0 |
| Age continuous Units: years | | | |
| arithmetic mean | 47.5 | 47.2 | 47.3 |
| standard deviation | ± 12.37 | ± 11.94 | ± 12.39 |
| Gender categorical Units: Subjects | | | |
| Female | 52 | 56 | 58 |
| Male | 37 | 35 | 36 |
| Asthma Control Questionnaire (ACQ) Units: ACQ score | | | |
| arithmetic mean | 2.63 | 2.57 | 2.62 |
| standard deviation | ± 0.61 | ± 0.61 | ± 0.65 |

| Reporting group values | 2.0 mg | Total | |
|------------------------------------|--------|-------|--|
| Number of subjects | 91 | 365 | |
| Age categorical Units: Subjects | | | |
| In utero | 0 | 0 | |

| | | | |
|--|---------|-----|--|
| Preterm newborn infants (gestational age < 37 wks) | 0 | 0 | |
| Newborns (0-27 days) | 0 | 0 | |
| Infants and toddlers (28 days-23 months) | 0 | 0 | |
| Children (2-11 years) | 0 | 0 | |
| Adolescents (12-17 years) | 0 | 0 | |
| Adults (18-64 years) | 91 | 365 | |
| From 65-84 years | 0 | 0 | |
| 85 years and over | 0 | 0 | |
| Age continuous Units: years | | | |
| arithmetic mean | 48 | | |
| standard deviation | ± 12.05 | - | |
| Gender categorical Units: Subjects | | | |
| Female | 57 | 223 | |
| Male | 34 | 142 | |
| Asthma Control Questionnaire (ACQ) Units: ACQ score | | | |
| arithmetic mean | 2.56 | | |
| standard deviation | ± 0.69 | - | |

Subject analysis sets

| | |
|----------------------------|-------------------------|
| Subject analysis set title | Full Analysis Set (FAS) |
| Subject analysis set type | Full analysis |

Subject analysis set description:

FAS was analyzed according to Intent to Treat principle and a last Observation Carried Forward procedure was adopted.

| Reporting group values | Full Analysis Set (FAS) | | |
|--|-------------------------|--|--|
| Number of subjects | 365 | | |
| Age categorical Units: Subjects | | | |
| In utero | 0 | | |
| Preterm newborn infants (gestational age < 37 wks) | 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) | 365 | | |
| From 65-84 years | 0 | | |
| 85 years and over | 0 | | |
| Age continuous Units: years | | | |
| arithmetic mean | 47.5 | | |
| standard deviation | ± 12.15 | | |

| | | | |
|---|-----|--|--|
| Gender categorical Units: Subjects | | | |
| Female | 223 | | |
| Male | 142 | | |
| Asthma Control Questionnaire (ACQ) Units: ACQ score arithmetic mean standard deviation | | | |
| | ± | | |

End points

End points reporting groups

| | |
|---|-------------------------|
| Reporting group title | Placebo |
| Reporting group description: | |
| Placebo (buffer) | |
| Reporting group title | 0.3 mg |
| Reporting group description: | |
| 0.3 mg CYT003 | |
| Reporting group title | 1.0 mg |
| Reporting group description: | |
| 1.0 mg CYT003 | |
| Reporting group title | 2.0 mg |
| Reporting group description: | |
| 2.0 mg CYT003 | |
| Subject analysis set title | Full Analysis Set (FAS) |
| Subject analysis set type | Full analysis |
| Subject analysis set description: | |
| FAS was analyzed according to Intent to Treat principle and a last Observation Carried Forward procedure was adopted. | |

Primary: ACQ score - Change from Baseline at week 12

| | |
|--|---|
| End point title | ACQ score - Change from Baseline at week 12 |
| End point description: | |
| Change in Asthma Controm Questionnaire Score at week 12 compared to Baseline score | |
| End point type | Primary |
| End point timeframe: | |
| 12 weeks treatment period for each patient | |

| End point values | Placebo | 0.3 mg | 1.0 mg | 2.0 mg |
|--------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 89 | 91 | 94 | 91 |
| Units: Delta ACQ score | | | | |
| arithmetic mean (standard deviation) | -0.649 (\pm 0.7631) | -0.641 (\pm 0.8799) | -0.546 (\pm 0.8176) | -0.544 (\pm 0.7147) |

Statistical analyses

| | |
|---|----------------------------------|
| Statistical analysis title | Primary Efficacy Analysis 0.3 mg |
| Statistical analysis description: | |
| The treatment effect was evaluated as a contrast of each active treatment versus placebo. | |
| Comparison groups | 0.3 mg v Placebo |

| | |
|---|------------------------|
| Number of subjects included in analysis | 180 |
| Analysis specification | Pre-specified |
| Analysis type | other ^[1] |
| P-value | = 0.818 ^[2] |
| Method | ANCOVA |

Notes:

[1] - ANCOVA

[2] - Hochberg procedure to control for multiple comparisons.

| | |
|-----------------------------------|----------------------------------|
| Statistical analysis title | Primary Efficacy Analysis 1.0 mg |
|-----------------------------------|----------------------------------|

Statistical analysis description:

The treatment effect was evaluated as a contrast of each active treatment versus placebo.

| | |
|---|-------------------------|
| Comparison groups | 1.0 mg v Placebo |
| Number of subjects included in analysis | 183 |
| Analysis specification | Pre-specified |
| Analysis type | other ^[3] |
| P-value | = 0.4025 ^[4] |
| Method | ANCOVA |

Notes:

[3] - ANCOVA

[4] - Hochberg procedure to control for multiple comparisons.

| | |
|-----------------------------------|----------------------------------|
| Statistical analysis title | Primary Efficacy Analysis 2.0 mg |
|-----------------------------------|----------------------------------|

Statistical analysis description:

The treatment effect was evaluated as a contrast of each active treatment versus placebo.

| | |
|---|-------------------------|
| Comparison groups | 2.0 mg v Placebo |
| Number of subjects included in analysis | 180 |
| Analysis specification | Pre-specified |
| Analysis type | other ^[5] |
| P-value | = 0.4883 ^[6] |
| Method | ANCOVA |

Notes:

[5] - ANCOVA

[6] - Hochberg procedure to control for multiple comparisons.

Adverse events

Adverse events information

Timeframe for reporting adverse events:

12 weeks

Adverse event reporting additional description:

Treatment phase

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

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 12.1 |
|--------------------|------|

Reporting groups

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

Reporting group description:

Placebo buffer

| | |
|-----------------------|--------|
| Reporting group title | 1.0 mg |
|-----------------------|--------|

Reporting group description:

1.0 mg CYT003

| | |
|-----------------------|--------|
| Reporting group title | 2.0 mg |
|-----------------------|--------|

Reporting group description:

2.0 mg CYT003

| | |
|-----------------------|--------|
| Reporting group title | 0.3 mg |
|-----------------------|--------|

Reporting group description:

0.3 mg CYT003

| Serious adverse events | Placebo | 1.0 mg | 2.0 mg |
|---|----------------|----------------|----------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 89 (0.00%) | 1 / 94 (1.06%) | 0 / 91 (0.00%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma exacerbation | | | |
| subjects affected / exposed | 0 / 89 (0.00%) | 1 / 94 (1.06%) | 0 / 91 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

| Serious adverse events | 0.3 mg | | |
|---|----------------|--|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 91 (0.00%) | | |
| number of deaths (all causes) | 0 | | |
| number of deaths resulting from adverse events | 0 | | |

| | | | |
|---|----------------|--|--|
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma exacerbation | | | |
| subjects affected / exposed | 0 / 91 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

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

| Non-serious adverse events | Placebo | 1.0 mg | 2.0 mg |
|---|------------------|------------------|------------------|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 36 / 89 (40.45%) | 62 / 94 (65.96%) | 61 / 91 (67.03%) |
| Investigations | | | |
| blood creatinkinase increased | | | |
| subjects affected / exposed | 0 / 89 (0.00%) | 1 / 94 (1.06%) | 0 / 91 (0.00%) |
| occurrences (all) | 36 | 62 | 61 |
| Body temperature increased | | | |
| subjects affected / exposed | 0 / 89 (0.00%) | 0 / 94 (0.00%) | 4 / 91 (4.40%) |
| occurrences (all) | 36 | 62 | 61 |
| Nervous system disorders | | | |
| Headache | | | |
| subjects affected / exposed | 6 / 89 (6.74%) | 3 / 94 (3.19%) | 7 / 91 (7.69%) |
| occurrences (all) | 36 | 62 | 61 |
| General disorders and administration site conditions | | | |
| Injection site erythema | | | |
| subjects affected / exposed | 0 / 89 (0.00%) | 24 / 94 (25.53%) | 27 / 91 (29.67%) |
| occurrences (all) | 36 | 62 | 61 |
| Injection site swelling | | | |
| subjects affected / exposed | 0 / 89 (0.00%) | 27 / 94 (28.72%) | 23 / 91 (25.27%) |
| occurrences (all) | 36 | 62 | 61 |
| Injection site pruritus | | | |
| subjects affected / exposed | 2 / 89 (2.25%) | 19 / 94 (20.21%) | 11 / 91 (12.09%) |
| occurrences (all) | 36 | 62 | 61 |
| Injection site pain | | | |
| subjects affected / exposed | 1 / 89 (1.12%) | 12 / 94 (12.77%) | 16 / 91 (17.58%) |
| occurrences (all) | 36 | 62 | 61 |
| Injection site induration | | | |

| | | | |
|---|----------------------|----------------------|----------------------|
| subjects affected / exposed occurrences (all) | 0 / 89 (0.00%) 36 | 2 / 94 (2.13%) 62 | 4 / 91 (4.40%) 61 |
| Injection site reaction subjects affected / exposed occurrences (all) | 0 / 89 (0.00%) 36 | 3 / 94 (3.19%) 62 | 1 / 91 (1.10%) 61 |
| Influenza like illness subjects affected / exposed occurrences (all) | 2 / 89 (2.25%) 36 | 7 / 94 (7.45%) 62 | 3 / 91 (3.30%) 61 |
| Pyrexia subjects affected / exposed occurrences (all) | 2 / 89 (2.25%) 36 | 2 / 94 (2.13%) 62 | 5 / 91 (5.49%) 61 |
| Fatigue subjects affected / exposed occurrences (all) | 0 / 89 (0.00%) 36 | 0 / 94 (0.00%) 62 | 0 / 91 (0.00%) 61 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma subjects affected / exposed occurrences (all) | 2 / 89 (2.25%) 36 | 4 / 94 (4.26%) 62 | 2 / 91 (2.20%) 61 |
| Wheezing subjects affected / exposed occurrences (all) | 1 / 89 (1.12%) 36 | 1 / 94 (1.06%) 62 | 3 / 91 (3.30%) 61 |
| Oropharyngeal pain subjects affected / exposed occurrences (all) | 0 / 89 (0.00%) 36 | 3 / 94 (3.19%) 62 | 0 / 91 (0.00%) 61 |
| Rhinitis allergic subjects affected / exposed occurrences (all) | 0 / 89 (0.00%) 36 | 0 / 94 (0.00%) 62 | 1 / 91 (1.10%) 61 |
| Infections and infestations | | | |
| Nasopharyngitis subjects affected / exposed occurrences (all) | 4 / 89 (4.49%) 36 | 5 / 94 (5.32%) 62 | 6 / 91 (6.59%) 61 |
| Bronchitis subjects affected / exposed occurrences (all) | 1 / 89 (1.12%) 36 | 1 / 94 (1.06%) 62 | 2 / 91 (2.20%) 61 |
| Upper respiratory tract infection | | | |

| | | | |
|-----------------------------------|----------------|----------------|----------------|
| subjects affected / exposed | 1 / 89 (1.12%) | 4 / 94 (4.26%) | 4 / 91 (4.40%) |
| occurrences (all) | 36 | 62 | 61 |
| Acute sinusitis | | | |
| subjects affected / exposed | 0 / 89 (0.00%) | 3 / 94 (3.19%) | 0 / 91 (0.00%) |
| occurrences (all) | 36 | 62 | 61 |
| Respiratory tract infection viral | | | |
| subjects affected / exposed | 3 / 89 (3.37%) | 0 / 94 (0.00%) | 0 / 91 (0.00%) |
| occurrences (all) | 36 | 62 | 61 |

| | | | |
|---|------------------|--|--|
| Non-serious adverse events | 0.3 mg | | |
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 53 / 91 (58.24%) | | |
| Investigations | | | |
| blood creatinkinase increased | | | |
| subjects affected / exposed | 3 / 91 (3.30%) | | |
| occurrences (all) | 53 | | |
| Body temperature increased | | | |
| subjects affected / exposed | 0 / 91 (0.00%) | | |
| occurrences (all) | 53 | | |
| Nervous system disorders | | | |
| Headache | | | |
| subjects affected / exposed | 6 / 91 (6.59%) | | |
| occurrences (all) | 53 | | |
| General disorders and administration site conditions | | | |
| Injection site erythema | | | |
| subjects affected / exposed | 20 / 91 (21.98%) | | |
| occurrences (all) | 53 | | |
| Injection site swelling | | | |
| subjects affected / exposed | 20 / 91 (21.98%) | | |
| occurrences (all) | 53 | | |
| Injection site pruritus | | | |
| subjects affected / exposed | 11 / 91 (12.09%) | | |
| occurrences (all) | 53 | | |
| Injection site pain | | | |
| subjects affected / exposed | 10 / 91 (10.99%) | | |
| occurrences (all) | 53 | | |
| Injection site induration | | | |

| | | | |
|---|----------------------|--|--|
| subjects affected / exposed occurrences (all) | 3 / 91 (3.30%) 53 | | |
| Injection site reaction subjects affected / exposed occurrences (all) | 0 / 91 (0.00%) 53 | | |
| Influenza like illness subjects affected / exposed occurrences (all) | 0 / 91 (0.00%) 53 | | |
| Pyrexia subjects affected / exposed occurrences (all) | 0 / 91 (0.00%) 53 | | |
| Fatigue subjects affected / exposed occurrences (all) | 3 / 91 (3.30%) 53 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma subjects affected / exposed occurrences (all) | 2 / 91 (2.20%) 53 | | |
| Wheezing subjects affected / exposed occurrences (all) | 1 / 91 (1.10%) 53 | | |
| Oropharyngeal pain subjects affected / exposed occurrences (all) | 2 / 91 (2.20%) 53 | | |
| Rhinitis allergic subjects affected / exposed occurrences (all) | 3 / 91 (3.30%) 53 | | |
| Infections and infestations | | | |
| Nasopharyngitis subjects affected / exposed occurrences (all) | 5 / 91 (5.49%) 53 | | |
| Bronchitis subjects affected / exposed occurrences (all) | 5 / 91 (5.49%) 53 | | |
| Upper respiratory tract infection | | | |

| | | | |
|---|----------------------|--|--|
| subjects affected / exposed occurrences (all) | 0 / 91 (0.00%) 53 | | |
| Acute sinusitis subjects affected / exposed occurrences (all) | 2 / 91 (2.20%) 53 | | |
| Respiratory tract infection viral subjects affected / exposed occurrences (all) | 0 / 91 (0.00%) 53 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|--|
| 20 March 2013 | Global amendment 1: Several minor changes such as additional details on analysis populations |
| 20 December 2013 | Global amendment 2: several minor changes such as biomarkers |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? Yes

| Date | Interruption | Restart date |
|-----------------|----------------------------------|--------------|
| 01 January 2013 | Delay in study drug availability | 15 May 2013 |

Notes:

Limitations and caveats

None reported