

**Clinical trial results:****Phase 2 Window Study of Two Dose Levels of Amcenestrant [SAR439859] (SERD) Versus Letrozole in Newly Diagnosed Pre-operative Post-menopausal Patients With ER Positive, HER2 Negative Primary Breast Cancer****Summary**

| | |
|--------------------------|----------------|
| EudraCT number | 2019-002015-26 |
| Trial protocol | FR ES BE IT |
| Global end of trial date | 28 May 2021 |

Results information

| | |
|--------------------------------|--------------|
| Result version number | v1 (current) |
| This version publication date | 12 June 2022 |
| First version publication date | 12 June 2022 |

Trial information**Trial identification**

| | |
|-----------------------|----------|
| Sponsor protocol code | ACT16106 |
|-----------------------|----------|

Additional study identifiers

| | |
|------------------------------------|-----------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT04191382 |
| WHO universal trial number (UTN) | U1111-1228-9473 |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Sanofi Aventis Recherche & Développement |
| Sponsor organisation address | 1 Avenue Pierre Brossolette, Chilly-Mazarin Cedex, France, 91380 |
| Public contact | Trial Transparency Team, Sanofi aventis recherche & développement, Contact-US@sanofi.com |
| Scientific contact | Trial Transparency Team, Sanofi aventis recherche & développement, Contact-US@sanofi.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 | 21 January 2022 |
| Is this the analysis of the primary completion data? | No |
| Global end of trial reached? | Yes |
| Global end of trial date | 28 May 2021 |
| Was the trial ended prematurely? | Yes |

Notes:

General information about the trial

Main objective of the trial:

To determine whether amcenestrant given at 2 different doses improved the antiproliferative activity when compared to letrozole.

Protection of trial subjects:

Subjects were fully informed of all pertinent aspects of the clinical trial as well as the possibility to discontinue at any time in language and terms appropriate for the subject and considering the local culture. During the course of the trial, subjects were provided with individual subject cards indicating the nature of the trial the subject is participating, contact details and any information needed in the event of a medical emergency. Collected personal data and human biological samples were processed in compliance with the Sanofi-Aventis Group Personal Data Protection Charter ensuring that the Group abides by the laws governing personal data protection in force in all countries in which it operates.

Background therapy: -

Evidence for comparator: -

| | |
|---|------------------|
| Actual start date of recruitment | 04 February 2020 |
| 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 | Japan: 9 |
| Country: Number of subjects enrolled | Belgium: 8 |
| Country: Number of subjects enrolled | France: 21 |
| Country: Number of subjects enrolled | Italy: 14 |
| Country: Number of subjects enrolled | United States: 13 |
| Country: Number of subjects enrolled | Ukraine: 11 |
| Country: Number of subjects enrolled | Spain: 14 |
| Country: Number of subjects enrolled | Russian Federation: 15 |
| Worldwide total number of subjects | 105 |
| EEA total number of subjects | 57 |

Notes:

Subjects enrolled per age group

| | |
|--|---|
| In utero | 0 |
| Preterm newborn - gestational age < 37 | 0 |

| | |
|--|----|
| wk | |
| 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) | 64 |
| From 65 to 84 years | 39 |
| 85 years and over | 2 |

Subject disposition

Recruitment

Recruitment details:

The study was conducted at 32 active sites in 8 countries. A total of 135 subjects were screened from 04-February-2020 to 21-April-2021, of which 30 subjects were screen failures mainly due to selection criteria not met.

Pre-assignment

Screening details:

A total of 105 subjects with early breast cancer were randomised in 1:1:1 ratio to receive treatment with amcenestrant 400 milligrams (mg), amcenestrant 200 mg, or letrozole 2.5 mg.

Period 1

| | |
|------------------------------|--------------------------------|
| Period 1 title | Overall Study (overall period) |
| Is this the baseline period? | Yes |
| Allocation method | Randomised - controlled |
| Blinding used | Not blinded |

Arms

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

| | |
|------------------|---------------------|
| Arm title | Amcenestrant 400 mg |
|------------------|---------------------|

Arm description:

Subjects received 4 capsules of 100 mg of amcenestrant once daily (QD) from Day 1 to Day 14.

| | |
|--|--------------|
| Arm type | Experimental |
| Investigational medicinal product name | Amcenestrant |
| Investigational medicinal product code | SAR439859 |
| Other name | SERD |
| Pharmaceutical forms | Capsule |
| Routes of administration | Oral use |

Dosage and administration details:

Amcenestrant 4 capsules of 100 mg administered orally.

| | |
|------------------|---------------------|
| Arm title | Amcenestrant 200 mg |
|------------------|---------------------|

Arm description:

Subjects received 2 capsules of 100 mg of amcenestrant QD from Day 1 to Day 14.

| | |
|--|--------------|
| Arm type | Experimental |
| Investigational medicinal product name | Amcenestrant |
| Investigational medicinal product code | SAR439859 |
| Other name | SERD |
| Pharmaceutical forms | Capsule |
| Routes of administration | Oral use |

Dosage and administration details:

Amcenestrant 2 capsules of 100 mg administered orally.

| | |
|------------------|------------------|
| Arm title | Letrozole 2.5 mg |
|------------------|------------------|

Arm description:

Subjects received 2.5 mg of letrozole tablet QD from Day 1 to Day 14.

| | |
|--|-------------------|
| Arm type | Active comparator |
| Investigational medicinal product name | Letrozole |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Tablet |
| Routes of administration | Oral use |

Dosage and administration details:

Letrozole 2.5 mg tablet administered orally.

| Number of subjects in period 1 | Amcenestrant 400 mg | Amcenestrant 200 mg | Letrozole 2.5 mg |
|---------------------------------------|---------------------|---------------------|------------------|
| Started | 34 | 36 | 35 |
| Treated | 33 | 36 | 35 |
| Completed | 33 | 36 | 35 |
| Not completed | 1 | 0 | 0 |
| Withdrawal by subject | 1 | - | - |

Baseline characteristics

Reporting groups

| | |
|---|----------------------|
| Reporting group title | Amcenenstrant 400 mg |
| Reporting group description: | |
| Subjects received 4 capsules of 100 mg of amcenenstrant once daily (QD) from Day 1 to Day 14. | |
| Reporting group title | Amcenenstrant 200 mg |
| Reporting group description: | |
| Subjects received 2 capsules of 100 mg of amcenenstrant QD from Day 1 to Day 14. | |
| Reporting group title | Letrozole 2.5 mg |
| Reporting group description: | |
| Subjects received 2.5 mg of letrozole tablet QD from Day 1 to Day 14. | |

| Reporting group values | Amcenenstrant 400 mg | Amcenenstrant 200 mg | Letrozole 2.5 mg |
|------------------------|----------------------|----------------------|------------------|
| Number of subjects | 34 | 36 | 35 |
| Age categorical | | | |
| Units: Subjects | | | |

| | | | |
|---|--------|--------|--------|
| Age continuous | | | |
| Units: years | | | |
| arithmetic mean | 62.4 | 63.4 | 63.7 |
| standard deviation | ± 8.6 | ± 8.4 | ± 8.5 |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 34 | 36 | 35 |
| Male | 0 | 0 | 0 |
| Race (NIH/OMB) | | | |
| Units: Subjects | | | |
| American Indian or Alaska Native | 0 | 0 | 0 |
| Asian | 2 | 3 | 5 |
| Native Hawaiian or Other Pacific Islander | 0 | 0 | 0 |
| Black or African American | 1 | 0 | 0 |
| White | 23 | 24 | 25 |
| More than one race | 0 | 1 | 1 |
| Unknown or Not Reported | 8 | 8 | 4 |
| Ki67 expression at Baseline (n=32,36,32) | | | |
| Tumor tissue collected through a core-cut biopsy at Baseline was used to determine Ki67 expression. Ki67 expression was defined as the percentage of positive tumor cells assessed by central reading. Here, 'n' signifies subjects with available data at Baseline for the specified Baseline measure. | | | |
| Units: percentage of positive tumor cells | | | |
| arithmetic mean | 33.8 | 31.2 | 32.6 |
| standard deviation | ± 16.3 | ± 14.3 | ± 18.5 |

| Reporting group values | Total | | |
|------------------------|-------|--|--|
| Number of subjects | 105 | | |

| | | | |
|---|-----|---|--|
| Age categorical Units: Subjects | | | |
| Age continuous Units: years arithmetic mean standard deviation | | - | |
| Gender categorical Units: Subjects | | | |
| Female | 105 | | |
| Male | 0 | | |
| Race (NIH/OMB) Units: Subjects | | | |
| American Indian or Alaska Native | 0 | | |
| Asian | 10 | | |
| Native Hawaiian or Other Pacific Islander | 0 | | |
| Black or African American | 1 | | |
| White | 72 | | |
| More than one race | 2 | | |
| Unknown or Not Reported | 20 | | |
| Ki67 expression at Baseline (n=32,36,32) | | | |
| Tumor tissue collected through a core-cut biopsy at Baseline was used to determine Ki67 expression. Ki67 expression was defined as the percentage of positive tumor cells assessed by central reading. Here, 'n' signifies subjects with available data at Baseline for the specified Baseline measure. | | | |
| Units: percentage of positive tumor cells arithmetic mean standard deviation | | - | |

End points

End points reporting groups

| | |
|--|---------------------|
| Reporting group title | Amcenestrant 400 mg |
| Reporting group description: | |
| Subjects received 4 capsules of 100 mg of amcenestrant once daily (QD) from Day 1 to Day 14. | |
| Reporting group title | Amcenestrant 200 mg |
| Reporting group description: | |
| Subjects received 2 capsules of 100 mg of amcenestrant QD from Day 1 to Day 14. | |
| Reporting group title | Letrozole 2.5 mg |
| Reporting group description: | |
| Subjects received 2.5 mg of letrozole tablet QD from Day 1 to Day 14. | |

Primary: Percent Change From Baseline in Ki67 Level at Day 15

| | |
|--|--|
| End point title | Percent Change From Baseline in Ki67 Level at Day 15 |
| End point description: | |
| Tumor tissue collected through a core-cut biopsy at Baseline and Day 15 was used to determine Ki67 expression. Ki67 expression was defined as the percentage of positive tumor cells assessed by central reading. Ki67 percent change from Baseline for a given subject was defined as $100 \times (\text{Ki67}_{\text{post}} - \text{Ki67}_{\text{pre}}) / \text{Ki67}_{\text{pre}}$, where Ki67pre and Ki67post were pre-treatment and post-treatment Ki67 value of the subject. Adjusted geometric least square (LS) means and 95% CI for percent change were obtained from analysis of covariance (ANCOVA) model of log proportional change i.e., $\log(\text{Ki67}_{\text{post}}/\text{ki67}_{\text{pre}})$ with treatment and $\log\text{-Ki67}_{\text{pre}}$ as fixed effect and converted by antilog transformation. Analysis was performed on modified intent-to-treat (mITT) population that included all enrolled subjects for whom there was confirmation of successful allocation of a randomisation number by IRT, who had taken at least one study drug, and who had both Baseline and post treatment available biopsies with Ki67 values. | |
| End point type | Primary |
| End point timeframe: | |
| Baseline, Day 15 | |

| End point values | Amcenestrant 400 mg | Amcenestrant 200 mg | Letrozole 2.5 mg | |
|--|---------------------|---------------------|---------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 31 | 35 | 29 | |
| Units: percent change | | | | |
| least squares mean (confidence interval 95%) | 75.9 (67.9 to 81.9) | 68.2 (58.4 to 75.7) | 77.7 (70.0 to 83.4) | |

Statistical analyses

| | |
|--|---|
| Statistical analysis title | Amcenestrant 400 mg versus Letrozole 2.5 mg |
| Statistical analysis description: | |
| Geometric LS-means ratio of proportional change was the ratio of geometric LS-means of the proportional change between groups (Amcenestrant 400 mg versus Letrozole 2.5 mg). | |
| Comparison groups | Amcenestrant 400 mg v Letrozole 2.5 mg |

| | |
|---|--------------------------|
| Number of subjects included in analysis | 60 |
| Analysis specification | Pre-specified |
| Analysis type | other ^[1] |
| Parameter estimate | Ratio of Geometric Means |
| Point estimate | 1.08 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.72 |
| upper limit | 1.63 |

Notes:

[1] - Other descriptive analysis

| | |
|-----------------------------------|---|
| Statistical analysis title | Amcenestrant 200 mg versus Letrozole 2.5 mg |
|-----------------------------------|---|

Statistical analysis description:

Geometric LS-means ratio of proportional change was the ratio of geometric LS-means of the proportional change between groups (Amcenestrant 200 mg versus Letrozole 2.5 mg).

| | |
|---|--|
| Comparison groups | Amcenestrant 200 mg v Letrozole 2.5 mg |
| Number of subjects included in analysis | 64 |
| Analysis specification | Pre-specified |
| Analysis type | other ^[2] |
| Parameter estimate | Ratio of Geometric Means |
| Point estimate | 1.42 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.95 |
| upper limit | 2.12 |

Notes:

[2] - Other descriptive analysis

Secondary: Proportion of Subjects With Percent Change From Baseline in Ki67 greater than or equal to (\geq) 50 Percent at Day 15

| | |
|-----------------|---|
| End point title | Proportion of Subjects With Percent Change From Baseline in Ki67 greater than or equal to (\geq) 50 Percent at Day 15 |
|-----------------|---|

End point description:

Tumor tissue collected through a core-cut biopsy at Baseline and Day 15 was used to determine Ki67 expression. Ki67 expression was defined as the percentage of positive tumor cells assessed by central reading. Ki67 percent change from Baseline for a given subject was defined as $100 \times (\text{Ki67}_{\text{pre}} - \text{Ki67}_{\text{post}}) / \text{Ki67}_{\text{pre}}$, where Ki67_{pre} and $\text{Ki67}_{\text{post}}$ were pre-treatment and post-treatment Ki67 value of the subject. Analysis was performed on mITT population.

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

End point timeframe:

Baseline, Day 15

| End point values | Amcenestrant 400 mg | Amcenestrant 200 mg | Letrozole 2.5 mg | |
|----------------------------------|------------------------|------------------------|------------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 31 | 35 | 29 | |
| Units: proportion of subjects | | | | |
| number (confidence interval 95%) | 74.2 (55.4 to 88.1) | 68.6 (50.7 to 83.1) | 89.7 (72.6 to 97.8) | |

Statistical analyses

No statistical analyses for this end point

Secondary: Change From Baseline in Estrogen Receptor (ER) Expression as Measured by H-Score at Day 15

| | |
|-----------------|--|
| End point title | Change From Baseline in Estrogen Receptor (ER) Expression as Measured by H-Score at Day 15 |
|-----------------|--|

End point description:

Change from Baseline in ER expression was measured by H-Score. The H-score was calculated as the sum of the percent of cells staining positive (0 to 100) multiplied staining intensity level from 0 to 3 (0=none, 1=low, 2=moderate, 3=high). Total ER expression H-score ranged from 0 to 300, where higher score indicated stronger ER expression. Change from Baseline in H-Score equals H-scorepost minus H-scorepre; where H-scorepost and H-scorepre denoted post-treatment and pre-treatment H-scores, respectively. LS-means and 95% CI were obtained from an ANCOVA model for change from Baseline with treatment and Baseline as fixed effect. Analysis was performed on mITT population. Here, 'number of subjects analysed' signifies subjects with available data for this endpoint.

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

End point timeframe:

Baseline, Day 15

| End point values | Amcenestrant 400 mg | Amcenestrant 200 mg | Letrozole 2.5 mg | |
|--|------------------------------|------------------------------|--------------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 28 | 32 | 28 | |
| Units: score on a scale | | | | |
| least squares mean (confidence interval 95%) | -176.7 (-201.4 to -152.0) | -202.9 (-226.1 to -179.7) | -32.5 (-57.2 to -7.7) | |

Statistical analyses

No statistical analyses for this end point

Secondary: Number of Subjects With Abnormalities: Haematological Parameters

| | |
|-----------------|--|
| End point title | Number of Subjects With Abnormalities: Haematological Parameters |
|-----------------|--|

End point description:

Haematology parameters covered by National Cancer Institute Common Terminology Criteria for Adverse Events (NCI-CTCAE) and included: Haemoglobin, Lymphocyte, Neutrophils, Leukocytes(white blood cells), Anaemia, Platelets, Eosinophils, and international normalised ratio (INR). NCI-CTCAE Grades 1-5 were described as: Grade1-Mild; asymptomatic/mild symptoms; Grade2-Moderate; minimal,

local or noninvasive intervention indicated; limiting age appropriate instrumental daily activities. Grade3-Severe/medically significant but not immediately life-threatening; hospitalisation or prolongation of hospitalisation indicated; disabling; Grade4-Life-threatening consequences; Grade5-Death. Data for 'All Grades' were reported in this endpoint. Safety population included all subjects who were randomly assigned to study drug and who took at least 1 dose of study drug. Here, 'subjects analysed'=subjects evaluable for this endpoint; 'n'=subjects with available data for specified categories for each arm.

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

End point timeframe:

From first dose of study drug up to Day 14

| End point values | Amcenestrant 400 mg | Amcenestrant 200 mg | Letrozole 2.5 mg | |
|--|------------------------|------------------------|---------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 32 | 35 | 35 | |
| Units: Subjects | | | | |
| White blood cell decreased (n=32,35,35) | 5 | 6 | 3 | |
| Neutrophil count decreased (n=32,35,35) | 1 | 0 | 1 | |
| Anaemia (hemoglobin decreased) (n=32,35,35) | 6 | 4 | 1 | |
| Haemoglobin increased (n=32,35,35) | 0 | 0 | 0 | |
| Platelet count decreased (n=32,35,35) | 1 | 1 | 0 | |
| Lymphocyte count decreased (n=32,35,35) | 1 | 3 | 1 | |
| INR increased (n=28,28,31) | 0 | 0 | 0 | |
| Eosinophilia (eosinophils increased) (n=32,35,35) | 2 | 1 | 1 | |

Statistical analyses

No statistical analyses for this end point

Secondary: Number of Subjects With Abnormalities: Clinical Chemistry

| | |
|-----------------|---|
| End point title | Number of Subjects With Abnormalities: Clinical Chemistry |
|-----------------|---|

End point description:

Clinical chemistry laboratory parameters covered by NCI-CTCAE and included: Glucose, Potassium, Sodium, Creatinine. An NCI-CTCAE Grades 1 to 5 were described as: Grade 1-Mild; asymptomatic or mild symptoms; Grade 2-Moderate; minimal, local or noninvasive intervention indicated; limiting age appropriate instrumental daily activities; Grade 3-Severe or medically significant but not immediately life-threatening; hospitalisation or prolongation of hospitalisation indicated; disabling; Grade 4-Life-threatening consequences; Grade 5-Death. Data for 'All Grades' were reported in this endpoint. Analysis was performed on safety population. Here, 'number of subjects analysed' signifies number of subjects evaluable for this endpoint and 'n' signifies number of subjects with available data for specified categories for each arm, respectively.

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

End point timeframe:

From first dose of study drug up to Day 14

| End point values | Amcenestrant 400 mg | Amcenestrant 200 mg | Letrozole 2.5 mg | |
|--|------------------------|------------------------|---------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 32 | 35 | 35 | |
| Units: Subjects | | | | |
| Hyponatremia (sodium increased) (n=32,35,35) | 1 | 1 | 1 | |
| Hyperkalemia (potassium increased) (n=32,35,35) | 2 | 1 | 1 | |
| Hypokalemia (potassium decreased) (n=32,35,35) | 0 | 2 | 0 | |
| Creatinine increased (n=32,34,35) | 0 | 3 | 2 | |
| Hypoglycemia (glucose decreased) (n=32,35,35) | 0 | 1 | 0 | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

From first dose up to 30 days following the last dose of study drug (up to 45 days)

Adverse event reporting additional description:

Reported adverse events (AEs) are treatment-emergent adverse events (TEAEs) i.e., AEs that developed, worsened, or became serious during the treatment period (time from the first dose of study drug up to 30 days after last dose of study drug). Analysis was performed on safety population.

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

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 24.0 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|---------------------|
| Reporting group title | Amcenestrant 400 mg |
|-----------------------|---------------------|

Reporting group description:

Subjects received 4 capsules of 100 mg of amcenestrant once daily (QD) from Day 1 to Day 14.

| | |
|-----------------------|---------------------|
| Reporting group title | Amcenestrant 200 mg |
|-----------------------|---------------------|

Reporting group description:

Subjects received 2 capsules of 100 mg of amcenestrant QD from Day 1 to Day 14.

| | |
|-----------------------|------------------|
| Reporting group title | Letrozole 2.5 mg |
|-----------------------|------------------|

Reporting group description:

Subjects received 2.5 mg of letrozole tablet QD from Day 1 to Day 14.

| Serious adverse events | Amcenestrant 400 mg | Amcenestrant 200 mg | Letrozole 2.5 mg |
|---|---------------------|---------------------|------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 33 (0.00%) | 2 / 36 (5.56%) | 0 / 35 (0.00%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Infections and infestations | | | |
| Pneumonia | | | |
| alternative dictionary used: MedDRA 24.0 | | | |
| subjects affected / exposed | 0 / 33 (0.00%) | 1 / 36 (2.78%) | 0 / 35 (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 |
| Wound Infection | | | |
| alternative dictionary used: MedDRA 24.0 | | | |
| subjects affected / exposed | 0 / 33 (0.00%) | 1 / 36 (2.78%) | 0 / 35 (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 |

Frequency threshold for reporting non-serious adverse events: 5 %

| Non-serious adverse events | Amcenestrant 400 mg | Amcenestrant 200 mg | Letrozole 2.5 mg |
|---|--------------------------|-------------------------|--------------------------|
| Total subjects affected by non-serious adverse events subjects affected / exposed | 11 / 33 (33.33%) | 12 / 36 (33.33%) | 14 / 35 (40.00%) |
| Investigations Alanine Aminotransferase Increased alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all) | 1 / 33 (3.03%) 1 | 2 / 36 (5.56%) 2 | 0 / 35 (0.00%) 0 |
| Injury, poisoning and procedural complications Procedural Pain alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all) | 2 / 33 (6.06%) 2 | 1 / 36 (2.78%) 1 | 2 / 35 (5.71%) 2 |
| Vascular disorders Hot Flush alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all) | 4 / 33 (12.12%) 4 | 1 / 36 (2.78%) 1 | 5 / 35 (14.29%) 5 |
| Nervous system disorders Headache alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all) | 3 / 33 (9.09%) 3 | 0 / 36 (0.00%) 0 | 2 / 35 (5.71%) 2 |
| General disorders and administration site conditions Asthenia alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all) Fatigue alternative dictionary used: MedDRA 24.0 | 2 / 33 (6.06%) 2 | 2 / 36 (5.56%) 2 | 0 / 35 (0.00%) 0 |

| | | | |
|--|--|---|---|
| <p>subjects affected / exposed occurrences (all)</p> <p>Feeling Cold alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all)</p> | <p>2 / 33 (6.06%) 2</p> <p>2 / 33 (6.06%) 2</p> | <p>1 / 36 (2.78%) 1</p> <p>0 / 36 (0.00%) 0</p> | <p>1 / 35 (2.86%) 1</p> <p>0 / 35 (0.00%) 0</p> |
| <p>Gastrointestinal disorders</p> <p>Constipation alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all)</p> <p>Diarrhoea alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all)</p> | <p>1 / 33 (3.03%) 1</p> <p>0 / 33 (0.00%) 0</p> | <p>2 / 36 (5.56%) 2</p> <p>3 / 36 (8.33%) 3</p> | <p>1 / 35 (2.86%) 1</p> <p>3 / 35 (8.57%) 3</p> |
| <p>Reproductive system and breast disorders</p> <p>Breast Pain alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all)</p> | <p>1 / 33 (3.03%) 1</p> | <p>0 / 36 (0.00%) 0</p> | <p>3 / 35 (8.57%) 3</p> |
| <p>Psychiatric disorders</p> <p>Anxiety alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all)</p> <p>Insomnia alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all)</p> | <p>1 / 33 (3.03%) 1</p> <p>4 / 33 (12.12%) 4</p> | <p>2 / 36 (5.56%) 2</p> <p>1 / 36 (2.78%) 1</p> | <p>0 / 35 (0.00%) 0</p> <p>0 / 35 (0.00%) 0</p> |
| <p>Musculoskeletal and connective tissue disorders</p> <p>Arthralgia alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all)</p> | <p>2 / 33 (6.06%) 2</p> | <p>0 / 36 (0.00%) 0</p> | <p>3 / 35 (8.57%) 3</p> |
| <p>Metabolism and nutrition disorders</p> | | | |

| | | | |
|---|---------------------|---------------------|---------------------|
| Decreased Appetite alternative dictionary used: MedDRA 24.0 subjects affected / exposed occurrences (all) | 2 / 33 (6.06%) 2 | 1 / 36 (2.78%) 1 | 0 / 35 (0.00%) 0 |
|---|---------------------|---------------------|---------------------|

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|-----------------|---|
| 20 January 2020 | <p>Following changes were made:</p> <ul style="list-style-type: none">•Added details on information for demography and added follicle stimulating hormone (FSH) test.•Added one blood sample for SAR439859 treatment arms to investigate allelic variants of drug metabolising enzymes and/or drug transporters.•Revised core-cut biopsy from surgery specimen.•For clinical sites reporting Ki67 expression by range rather than single value, local re-evaluation might be requested to confirm Ki67 expression $\geq 15\%$." was added.•Revised safety data language according to new approved version of investigator's brochure.•Modified inclusion criteria (IC) to add Stage I subjects and subjects intended for upfront mastectomy.•Modified IC to remove premenopausal women on gonadotropin releasing hormone analog and perimenopausal women (cessation of menses of duration less than or equal to $[<=]$ 12 months).•Modified a breast tumor size of at least 10 millimetres (mm) in greatest dimension measured by ultrasound.•Modified exclusion criteria(EC) to recent use of hormone replacement therapy (last dose ≤ 30 days prior to randomisation).•New EC added and drugs that were potential inhibitors of UDP-glucuronosyltransferases (UGTs) were moved to prohibited list.•The duration of sun protection for subjects taking SAR439859 was extended to during study treatment and for at least 5 days after discontinuation of SAR439859.•Dose modification criteria for SAR439859 and letrozole was modified to not allow any dose modification or reintroduction of study drug for NCI CTCAE Grade ≥ 3 AEs.•Modified asymptomatic overdose had to be reported as a standard AE.•Diagnostic biopsy baseline sample timelines changed to within 4 weeks prior to randomisation.•The fixing time for the tumor biopsy sample was revised to 24-72 hours prior to processing and embedding at local pathology centres. •Genome-wide sequencing of DNA isolated to mutation analysis of DNA isolated from tumor biopsy.•Estradiol was removed from screening tests. |

| | |
|------------------|---|
| 04 February 2021 | <p>Following changes were made:</p> <ul style="list-style-type: none"> •Updated protocol to reflect serial FSH measurements were required to confirm postmenopausal status for subjects who had received hormonal replacement therapy but had discontinued treatment and in absence of amenorrhea >12 months. •Added Cyclin D1 in exploratory protein biomarker panel-tested by IHC in tumor tissues. •Added Complete Cell Cycle Arrest (CCCA) as exploratory endpoint to further assess impact on proliferation; and added digital assessment of protein biomarkers. •Removed PK sampling on Day 1, Day 7, and added sampling on Day 15. •Added "or country's legal age of majority if legal adult age was >18 years old". •Added hepatitis A/B/C viral serologies at screening. Updated to exclude subjects with known active hepatitis A/B/C, or hepatic cirrhosis. •Updated EC to remove treatment with moderate Cytochrome P450, family 3, subfamily A (CYP3A) inducers; updated list of CYP3A inducer. •Removed EC-'Treatment with strong or moderate Cytochrome P450C8 (CYP2C8) inducers within 2 weeks before first study drug administration or 5 elimination half-lives whichever was longest and could not be replaced'. Removed prohibited concomitant therapies with regards to CYP2C8 inducers. •Added BCRP substrate in prohibited concomitant medication. •Added recommendation of using broad spectrum sunscreens filtering both UVA and UVB light exposure. •Prolonged duration of prior treatment to be recorded in eCRF to "from 30days prior to randomisation". •Added phototoxicity reaction in AESI. •Added guidance on increase in alanine transaminase >=Grade 2 management. •Added new section describing contingency measures for regional or national emergency that was declared by government agency. •Changed statistical model from t-test to analysis of covariance model. •Updated formula of eGFR calculation and provided linkage. •Added INN name amcenestrant. |
|------------------|---|

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.

The study recruitment discontinued early based on strategic sponsor decision that was not driven by any safety concerns. No inferential statistical analysis was performed due to early termination.

Notes: