



Clinical trial results:

A Phase 2 Clinical Study to Evaluate the Pharmacokinetics, Safety, and Efficacy of Doravirine/Islatravir in Pediatric Participants with HIV-1 Infection who are Virologically Suppressed or Treatment-Naïve, are Less Than 18 Years of Age, and Weigh Greater Than or Equal to 35 kg **Summary**

| | |
|--------------------------|-------------------|
| EudraCT number | 2019-003597-10 |
| Trial protocol | IT Outside EU/EEA |
| Global end of trial date | 25 January 2023 |

Results information

| | |
|--------------------------------|----------------|
| Result version number | v1 (current) |
| This version publication date | 02 August 2023 |
| First version publication date | 02 August 2023 |

Trial information

Trial identification

| | |
|-----------------------|--------------|
| Sponsor protocol code | MK-8591A-028 |
|-----------------------|--------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT04295772 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Merck Sharp & Dohme LLC |
| Sponsor organisation address | 126 East Lincoln Avenue, Rahway, NJ, United States, 07065 |
| Public contact | Clinical Trials Disclosure, Merck Sharp & Dohme LLC, ClinicalTrialsDisclosure@merck.com |
| Scientific contact | Clinical Trials Disclosure, Merck Sharp & Dohme LLC, ClinicalTrialsDisclosure@merck.com |

Notes:

Paediatric regulatory details

| | |
|--|---------------------|
| Is trial part of an agreed paediatric investigation plan (PIP) | Yes |
| EMA paediatric investigation plan number(s) | EMA-002707-PIP19-01 |
| 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 | 25 January 2023 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 21 December 2021 |
| Global end of trial reached? | Yes |
| Global end of trial date | 25 January 2023 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

This is a phase 2, single-group, multi-site, open-label study of a doravirine/islatravir 100 mg/0.75 mg (DOR/ISL, MK-8591A) fixed dose combination (FDC) for the treatment of human immunodeficiency virus type 1 (HIV-1) infection in pediatric participants who are virologically suppressed (VS) on antiretroviral therapy (ART) for ≥ 3 months or are treatment-naive (TN). The primary purposes of the study are 1) to examine the steady-state pharmacokinetics (PK) of ISL in plasma; 2) the steady-state PK of ISL-triphosphate (ISL-TP) in peripheral blood mononuclear cells (PBMCs); and 3) to examine the safety and tolerability of DOR/ISL (100 mg/0.75 mg).

Protection of trial subjects:

This study was conducted in conformance with Good Clinical Practice standards and applicable country and/or local statutes and regulations regarding ethical committee review, informed consent, and the protection of human subjects participating in biomedical research.

Background therapy: -

Evidence for comparator: -

| | |
|---|------------------|
| Actual start date of recruitment | 26 November 2020 |
| Long term follow-up planned | Yes |
| Long term follow-up rationale | Safety |
| Long term follow-up duration | 12 Months |
| Independent data monitoring committee (IDMC) involvement? | Yes |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|-----------------------|
| Country: Number of subjects enrolled | Italy: 3 |
| Country: Number of subjects enrolled | Russian Federation: 6 |
| Country: Number of subjects enrolled | Thailand: 11 |
| Country: Number of subjects enrolled | South Africa: 13 |
| Country: Number of subjects enrolled | United States: 7 |
| Worldwide total number of subjects | 40 |
| EEA total number of subjects | 3 |

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) | 3 |
| Adolescents (12-17 years) | 35 |
| Adults (18-64 years) | 2 |
| From 65 to 84 years | 0 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details: -

Pre-assignment

Screening details:

Pediatric participants who were ≥ 35 kg body weight and < 18 years of age were recruited at 18 study sites located in Italy, Russian Federation, Thailand, South Africa, and the United States. Two VS participants are excluded from results due to a consent issue.

Period 1

| | |
|------------------------------|----------------|
| Period 1 title | Overall Study |
| Is this the baseline period? | Yes |
| Allocation method | Not applicable |
| Blinding used | Not blinded |

Arms

| | |
|------------------------------|--|
| Are arms mutually exclusive? | Yes |
| Arm title | DOR/ISL: Virologically Suppressed Cohort |

Arm description:

VS participants (had taken stable 2- or 3-drug combination ART for ≥ 3 months) pediatric participants with HIV-1 infection receive DOR/ISL for 96 weeks.

| | |
|--|-----------------------|
| Arm type | Experimental |
| Investigational medicinal product name | DOR/ISL |
| Investigational medicinal product code | MK-8591A |
| Other name | Doravirine/islatravir |
| Pharmaceutical forms | Tablet |
| Routes of administration | Oral use |

Dosage and administration details:

100 mg DOR/0.75 mg ISL FDC tablet taken once daily by mouth.

| | |
|------------------|---------------------------------|
| Arm title | DOR/ISL: Treatment Naive Cohort |
|------------------|---------------------------------|

Arm description:

TN participants with HIV-1 infection receive DOR/ISL for 96 weeks.

| | |
|--|-----------------------|
| Arm type | Experimental |
| Investigational medicinal product name | DOR/ISL |
| Investigational medicinal product code | MK-8591A |
| Other name | Doravirine/islatravir |
| Pharmaceutical forms | Tablet |
| Routes of administration | Oral use |

Dosage and administration details:

100 mg DOR/0.75 mg ISL FDC tablet taken once daily by mouth.

| Number of subjects in period 1 | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort |
|--------------------------------|--|------------------------------------|
| | | |
| Started | 37 | 3 |
| Completed | 22 | 2 |
| Not completed | 15 | 1 |
| Ongoing for safety monitoring | 14 | 1 |

| | | |
|--------------------|---|---|
| Protocol deviation | 1 | - |
|--------------------|---|---|

Period 2

| | |
|------------------------------|--------------------|
| Period 2 title | Extended Follow-Up |
| Is this the baseline period? | No |
| Allocation method | Not applicable |
| Blinding used | Not blinded |

Arms

| | |
|------------------------------|---|
| Are arms mutually exclusive? | Yes |
| Arm title | DOR/ISL: Virologically Suppressed Cohort: Extended Monitoring |

Arm description:

A subset of VS participants who completed the study opted to participate in an extended safety monitoring period.

| | |
|----------|-------------------|
| Arm type | Safety Monitoring |
|----------|-------------------|

No investigational medicinal product assigned in this arm

| | |
|------------------|--|
| Arm title | DOR/ISL: Treatment Naive Cohort: Extended Monitoring |
|------------------|--|

Arm description:

A TN participant who completed the study opted to participate in an extended safety monitoring period.

| | |
|----------|-------------------|
| Arm type | Safety Monitoring |
|----------|-------------------|

No investigational medicinal product assigned in this arm

| Number of subjects in period 2^[1] | DOR/ISL: Virologically Suppressed Cohort: Extended Monitoring | DOR/ISL: Treatment Naive Cohort: Extended Monitoring |
|---|---|--|
| Started | 14 | 1 |
| Completed | 14 | 1 |

Notes:

[1] - The number of subjects starting the period is not consistent with the number completing the preceding period. It is expected the number of subjects starting the subsequent period will be the same as the number completing the preceding period.

Justification: A subset of participants who completed the main study opted to participate in an extended monitoring period.

Baseline characteristics

Reporting groups

| | |
|-----------------------|--|
| Reporting group title | DOR/ISL: Virologically Suppressed Cohort |
|-----------------------|--|

Reporting group description:

VS participants (had taken stable 2- or 3-drug combination ART for ≥ 3 months) pediatric participants with HIV-1 infection receive DOR/ISL for 96 weeks.

| | |
|-----------------------|---------------------------------|
| Reporting group title | DOR/ISL: Treatment Naive Cohort |
|-----------------------|---------------------------------|

Reporting group description:

TN participants with HIV-1 infection receive DOR/ISL for 96 weeks.

| Reporting group values | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort | Total |
|--|--|---------------------------------|-------|
| Number of subjects | 37 | 3 | 40 |
| 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) | 3 | 0 | 3 |
| Adolescents (12-17 years) | 32 | 3 | 35 |
| Adults (18-64 years) | 2 | 0 | 2 |
| From 65-84 years | 0 | 0 | 0 |
| 85 years and over | 0 | 0 | 0 |
| Age Continuous | | | |
| Units: years | | | |
| arithmetic mean | 14.7 | 15.7 | |
| standard deviation | ± 2.2 | ± 1.5 | - |
| Sex: Female, Male | | | |
| Units: participants | | | |
| Female | 14 | 1 | 15 |
| Male | 23 | 2 | 25 |
| Race (NIH/OMB) | | | |
| Units: Subjects | | | |
| American Indian or Alaska Native | 0 | 0 | 0 |
| Asian | 9 | 3 | 12 |
| Native Hawaiian or Other Pacific Islander | 0 | 0 | 0 |
| Black or African American | 20 | 0 | 20 |
| White | 8 | 0 | 8 |
| More than one race | 0 | 0 | 0 |
| Unknown or Not Reported | 0 | 0 | 0 |
| Ethnicity (NIH/OMB) | | | |
| Units: Subjects | | | |
| Hispanic or Latino | 1 | 0 | 1 |
| Not Hispanic or Latino | 35 | 3 | 38 |
| Unknown or Not Reported | 1 | 0 | 1 |

End points

End points reporting groups

| | |
|---|---|
| Reporting group title | DOR/ISL: Virologically Suppressed Cohort |
| Reporting group description: VS participants (had taken stable 2- or 3-drug combination ART for ≥ 3 months) pediatric participants with HIV-1 infection receive DOR/ISL for 96 weeks. | |
| Reporting group title | DOR/ISL: Treatment Naive Cohort |
| Reporting group description: TN participants with HIV-1 infection receive DOR/ISL for 96 weeks. | |
| Reporting group title | DOR/ISL: Virologically Suppressed Cohort: Extended Monitoring |
| Reporting group description: A subset of VS participants who completed the study opted to participate in an extended safety monitoring period. | |
| Reporting group title | DOR/ISL: Treatment Naive Cohort: Extended Monitoring |
| Reporting group description: A TN participant who completed the study opted to participate in an extended safety monitoring period. | |

Primary: Maximum plasma concentration (Cmax) of ISL 0.75 mg

| | |
|--|--|
| End point title | Maximum plasma concentration (Cmax) of ISL 0.75 mg ^{[1][2]} |
| End point description: The Cmax of ISL 0.75 mg in plasma was determined at steady state. A subset of VS participants was included in the Intensive PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on plasma PK parameters. | |
| End point type | Primary |
| End point timeframe: Pre-dose, and 0.5, 1, 2, 4, 8, 12, and 24 hours post-dose on Day 28 | |
| Notes: [1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point. Justification: Per protocol, only descriptive statistics are presented. [2] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period. Justification: Per protocol, only descriptive statistics are presented. | |

| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
|---|---|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 15 | | | |
| Units: $\mu\text{mol/L}$ | | | | |
| geometric mean (geometric coefficient of variation) | 0.0245 (\pm 53.4) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Area under the plasma drug concentration-time curve from 0 to 24 hours post-dose (AUC0-24) of islatravir (ISL) 0.75 mg

| | |
|-----------------|--|
| End point title | Area under the plasma drug concentration-time curve from 0 to 24 hours post-dose (AUC0-24) of islatravir (ISL) 0.75 mg ^{[3][4]} |
|-----------------|--|

End point description:

The AUC0-24 of ISL 0.75 mg in plasma was determined at steady state. A subset of VS participants was included in the Intensive PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on plasma PK parameters.

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

End point timeframe:

Pre-dose, and 0.5, 1, 2, 4, 8, 12, and 24 hours post-dose on Day 28

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

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

Justification: A subset of participants is included in the PK assessment.

| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
|---|---|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 15 | | | |
| Units: hr*µmol/L | | | | |
| geometric mean (geometric coefficient of variation) | 0.114 (± 28.6) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Time to reach maximum plasma concentration (Tmax) of ISL 0.75 mg

| | |
|-----------------|--|
| End point title | Time to reach maximum plasma concentration (Tmax) of ISL 0.75 mg ^{[5][6]} |
|-----------------|--|

End point description:

The Tmax of ISL 0.75 mg in plasma was determined at steady state. A subset of VS participants was included in the Intensive PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on plasma PK parameters.

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

End point timeframe:

Pre-dose, and 0.5, 1, 2, 4, 8, 12, and 24 hours post-dose on Day 28

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

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

Justification: Per protocol, only descriptive statistics are presented.

| | | | | |
|-------------------------------|---|--|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 15 | | | |
| Units: hours | | | | |
| median (full range (min-max)) | 1.00 (0.50 to 4.00) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: AUC0-last of ISL-triphosphate (ISL-TP) in Peripheral Blood Mononuclear Cells (PBMCs)

| | |
|-----------------|--|
| End point title | AUC0-last of ISL-triphosphate (ISL-TP) in Peripheral Blood Mononuclear Cells (PBMCs) ^{[7][8]} |
|-----------------|--|

End point description:

The AUC0-24 of ISL-TP in PBMCs was determined at steady state. A subset of VS participants was included in the Intensive PBMC PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on intracellular PBMC PK parameters.

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

End point timeframe:

Pre-dose, and 4 and 24 hours post-dose on Day 28

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

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

Justification: A subset of participants is included in the PK assessment.

| | | | | |
|---|---|--|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 12 | | | |
| Units: hr*pmol/10 ⁶ cells | | | | |
| geometric mean (geometric coefficient of variation) | 52.3 (± 74.9) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Cmax of ISL-TP in PBMCs

| | |
|-----------------|--|
| End point title | Cmax of ISL-TP in PBMCs ^{[9][10]} |
|-----------------|--|

End point description:

The C_{max} of ISL-TP in PBMCs was determined at steady state. A subset of VS participants was included in the Intensive PBMC PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on intracellular PBMC PK parameters.

End point type Primary

End point timeframe:

Pre-dose, and 4, and 24 hours post-dose on Day 28

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

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

Justification: A subset of participants is included in the PK assessment.

| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
|---|---|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 12 | | | |
| Units: pmol/10 ⁶ cells | | | | |
| geometric mean (geometric coefficient of variation) | 2.87 (± 91.6) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: C24 of ISL-TP in PBMCs

End point title C24 of ISL-TP in PBMCs^{[11][12]}

End point description:

The C24 of ISL-TP in PBMCs was determined at steady state. A subset of VS participants was included in the Intensive PBMC PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on intracellular PBMC PK parameters.

End point type Primary

End point timeframe:

24 hours post-dose on Day 28

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

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

Justification: A subset of participants is included in the PK assessment.

| | | | | |
|---|---|--|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 12 | | | |
| Units: pmol/10 ⁶ cells | | | | |
| geometric mean (geometric coefficient of variation) | 2.05 (± 71.7) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Apparent volume of distribution during terminal phase (V_z/F) of ISL 0.75 mg

| | |
|-----------------|--|
| End point title | Apparent volume of distribution during terminal phase (V _z /F) of ISL 0.75 mg ^{[13][14]} |
|-----------------|--|

End point description:

The V_z/F of ISL 0.75 mg was determined at steady state. A subset of VS participants was included in the Intensive PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on plasma PK parameters.

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

End point timeframe:

Pre-dose, and 0.5, 1, 2, 4, 8, 12, and 24 hours post-dose on Day 28

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

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

Justification: A subset of participants is included in the PK assessment.

| | | | | |
|---|---|--|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 15 | | | |
| Units: Liters | | | | |
| geometric mean (geometric coefficient of variation) | 536 (± 61.1) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Apparent total clearance from plasma (CL/F) of ISL 0.75 mg

| | |
|-----------------|---|
| End point title | Apparent total clearance from plasma (CL/F) of ISL 0.75 |
|-----------------|---|

End point description:

The CL/F of ISL 0.75 mg from plasma was determined at steady state. A subset of VS participants was included in the Intensive PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on plasma PK parameters.

End point type Primary

End point timeframe:

Pre-dose, and 0.5, 1, 2, 4, 8, 12, and 24 hours post-dose on Day 28

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

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

Justification: A subset of participants is included in the PK assessment.

| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
|---|---|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 15 | | | |
| Units: L/hr | | | | |
| geometric mean (geometric coefficient of variation) | 22.5 (\pm 28.6) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Apparent plasma terminal half-life ($t_{1/2}$) of ISL 0.75 mg

End point title Apparent plasma terminal half-life ($t_{1/2}$) of ISL 0.75 mg^{[17][18]}

End point description:

The $t_{1/2}$ of ISL 0.75 mg in plasma was determined at steady state. A subset of VS participants was included in the Intensive PK Cohort, consisting of participants who complied with the protocol sufficiently to ensure data were likely to exhibit the effects of the study intervention on plasma PK parameters.

End point type Primary

End point timeframe:

Pre-dose, and 0.5, 1, 2, 4, 8, 12, and 24 hours post-dose on Day 28

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

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

Justification: A subset of participants is included in the PK assessment.

| | | | | |
|---|---|--|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 15 | | | |
| Units: hours | | | | |
| geometric mean (geometric coefficient of variation) | 16.5 (\pm 70.0) | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Number of participants experiencing ≥ 1 adverse event (AE)

| | |
|-----------------|---|
| End point title | Number of participants experiencing ≥ 1 adverse event (AE) ^[19] |
|-----------------|---|

End point description:

An AE is any untoward medical occurrence in a clinical study participant, temporally associated with the use of study intervention, whether or not considered related to the study intervention. All participants who received ≥ 1 dose of study intervention are included.

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

End point timeframe:

Up to 24 weeks

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

| | | | | |
|-----------------------------|---|---------------------------------------|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort | | |
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 37 | 3 | | |
| Units: participants | 21 | 2 | | |

Statistical analyses

No statistical analyses for this end point

Primary: Number of participants discontinuing from study treatment due to an AE

| | |
|-----------------|--|
| End point title | Number of participants discontinuing from study treatment due to an AE ^[20] |
|-----------------|--|

End point description:

An AE is any untoward medical occurrence in a clinical study participant, temporally associated with the use of study intervention, whether or not considered related to the study intervention. All participants who received ≥ 1 dose of study intervention are included.

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

End point timeframe:

Up to 24 weeks

Notes:

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

Justification: Per protocol, only descriptive statistics are presented.

| End point values | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort | | |
|-----------------------------|---|---------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 37 | 3 | | |
| Units: participants | 0 | 0 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Change from baseline in CD4+ T-cells in TN participants

End point title | Change from baseline in CD4+ T-cells in TN participants^[21]

End point description:

CD4+ T-cell counts were measured by a central laboratory. Negative and positive results represent a decrease and increase, respectively, from baseline CD4+ T-cell counts. TN participants who received ≥ 1 dose of study intervention and had baseline and Week 24 data available are included.

End point type | Secondary

End point timeframe:

Baseline (Day 1) and Week 24

Notes:

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

Justification: A subset of participants is included in the PK assessment.

| End point values | DOR/ISL: Treatment Naive Cohort | | | |
|------------------------------|---------------------------------------|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 1 ^[22] | | | |
| Units: cells/mm ³ | | | | |
| number (not applicable) | 705.0 | | | |

Notes:

[22] - 95% CI were not calculable due to n=1.

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of virologically suppressed (VS) participants with HIV-1 ribonucleic acid (RNA) ≥ 50 copies/mL

End point title | Percentage of virologically suppressed (VS) participants with HIV-1 ribonucleic acid (RNA) ≥ 50 copies/mL^[23]

End point description:

The percentage of VS participants with HIV-1 RNA ≥ 50 copies/mL was determined at the central

laboratory with an Abbott Real Time Polymerase Chain Reaction (PCR) assay with a lower limit of detection (LLOD) of 40 copies/mL. Participants who were VS at baseline (on stable combination antiretroviral therapy [ART] for ≥ 3 months) and had data available are included.

| | |
|----------------------|-----------|
| End point type | Secondary |
| End point timeframe: | |
| Week 24 | |

Notes:

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

Justification: A subset of participants is included in the PK assessment.

| | | | | |
|-----------------------------------|---|--|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 34 | | | |
| Units: percentage of participants | | | | |
| number (confidence interval 95%) | 2.9 (0.1 to 15.3) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of VS participants with HIV-1 RNA <50 copies/mL

| | |
|-----------------|--|
| End point title | Percentage of VS participants with HIV-1 RNA <50 |
|-----------------|--|

End point description:

The percentage of VS participants with HIV-1 RNA <50 copies/mL will be determined at the central laboratory with an Abbott Real Time PCR assay with a LLOD of 40 copies/mL. Participants who were VS at baseline (on stable combination ART for ≥ 3 months) and had data available are included.

| | |
|----------------------|-----------|
| End point type | Secondary |
| End point timeframe: | |
| Week 24 | |

Notes:

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

Justification: A subset of participants is included in the PK assessment.

| | | | | |
|-----------------------------------|---|--|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 34 | | | |
| Units: percentage of participants | | | | |
| number (confidence interval 95%) | 94.1 (80.3 to 99.3) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of treatment naive (TN) participants with HIV-1 RNA <50 copies/mL

| | |
|-----------------|--|
| End point title | Percentage of treatment naive (TN) participants with HIV-1 RNA <50 copies/mL ^[25] |
|-----------------|--|

End point description:

The percentage of TN participants with HIV-1 RNA <50 copies/mL will be determined at the central laboratory with an Abbott Real Time PCR assay with a LLOD of 40 copies/mL. Participants who were TN at baseline and had data available are included.

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

End point timeframe:

Week 24

Notes:

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

Justification: A subset of participants is included in the PK assessment.

| | | | | |
|-----------------------------------|---------------------------------------|--|--|--|
| End point values | DOR/ISL: Treatment Naive Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 1 | | | |
| Units: percentage of participants | | | | |
| number (confidence interval 95%) | 100.0 (2.5 to 100.0) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Change from baseline in cluster of differentiation 4+ (CD4+) T-cells in VS participants

| | |
|-----------------|---|
| End point title | Change from baseline in cluster of differentiation 4+ (CD4+) T-cells in VS participants ^[26] |
|-----------------|---|

End point description:

CD4+ T-cell counts were measured by a central laboratory. Negative and positive results represent a decrease and increase, respectively, from baseline CD4+ T-cell counts. All VS participants who received ≥ 1 dose of study intervention and had data available are included.

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

End point timeframe:

Baseline (Day 1) and Week 24

Notes:

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

Justification: A subset of participants is included in the PK assessment.

| | | | | |
|---|---|--|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 33 | | | |
| Units: cells/mm ³ | | | | |
| arithmetic mean (confidence interval 95%) | -112.1 (-175.8 to -48.4) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Incidence of viral drug resistance to DOR

| | |
|------------------------|--|
| End point title | Incidence of viral drug resistance to DOR |
| End point description: | The number of participants with viral drug resistance to DOR was determined. Participants who received ≥ 1 dose of study intervention are included. |
| End point type | Secondary |
| End point timeframe: | Up to 24 weeks |

| | | | | |
|-----------------------------|---|---------------------------------------|--|--|
| End point values | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort | | |
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 37 | 3 | | |
| Units: participants | 0 | 0 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Incidence of viral drug resistance to ISL

| | |
|------------------------|--|
| End point title | Incidence of viral drug resistance to ISL |
| End point description: | The number of participants with viral drug resistance to ISL was determined. Participants who received ≥ 1 dose of study intervention are included. |
| End point type | Secondary |
| End point timeframe: | Up to 24 weeks |

| End point values | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort | | |
|-----------------------------|---|---------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 37 | 3 | | |
| Units: participants | 0 | 0 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Palatability of DOR/ISL tablet

| | |
|--|--------------------------------|
| End point title | Palatability of DOR/ISL tablet |
| End point description: | |
| The palatability of the DOR/ISL tablet (whole or split) was assessed with a modified 5-point facial hedonic scale. Responses ranged from 1 ("very bad") to 5 ("very good"). Data show the number of VS and TN participants responding at each score at the designated time points. All VS and TN participants who received ≥ 1 dose of study intervention and have data available are included. | |
| End point type | Secondary |
| End point timeframe: | |
| Baseline (Day 1), Week 4, and Week 24 | |

| End point values | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort | | |
|-------------------------------|---|---------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 37 | 3 | | |
| Units: participants | | | | |
| Very Bad - Day 1 | 0 | 0 | | |
| Very Bad - Week 4 | 0 | 0 | | |
| Very Bad - Week 24 | 2 | 0 | | |
| Bad - Day 1 | 0 | 0 | | |
| Bad - Week 4 | 0 | 0 | | |
| Bad - Week 24 | 3 | 0 | | |
| Neither good or bad - Day 1 | 12 | 0 | | |
| Neither good or bad - Week 4 | 11 | 0 | | |
| Neither good or bad - Week 24 | 8 | 0 | | |
| Good - Day 1 | 9 | 2 | | |
| Good - Week 4 | 11 | 2 | | |
| Good - Week 24 | 5 | 1 | | |
| Very Good - Day 1 | 16 | 1 | | |
| Very Good - Week 4 | 15 | 1 | | |
| Very Good - Week 24 | 4 | 0 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Acceptability of DOR/ISL tablet

| | |
|-----------------|---------------------------------|
| End point title | Acceptability of DOR/ISL tablet |
|-----------------|---------------------------------|

End point description:

The acceptability of the DOR/ISL tablet (whole or split) was assessed. Acceptability was assessed by monitoring for refusing the tablet, throwing up or spitting out the tablet, and gagging on the tablet. Data show the number of VS and TN participants responding at each score at the designated time points. All VS and TN participants who received ≥ 1 dose of study intervention and have data available are included.

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

End point timeframe:

Baseline (Day 1), Week 4, and Week 24

| End point values | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort | | |
|------------------------------------|---|---------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 37 | 3 | | |
| Units: participants | | | | |
| Refusing - Day 1 | 0 | 0 | | |
| Refusing - Week 4 | 0 | 0 | | |
| Refusing - Week 24 | 0 | 0 | | |
| Throwing Up/Spitting Out - Day 1 | 0 | 0 | | |
| Throwing Up/Spitting Out - Week 4 | 0 | 0 | | |
| Throwing Up/Spitting Out - Week 24 | 0 | 0 | | |
| Gagging - Day 1 | 0 | 0 | | |
| Gagging - Week 4 | 0 | 0 | | |
| Gagging - Week 24 | 1 | 0 | | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Adverse events were monitored for up to ~15.3 months in the main study, and for an additional 12.5 months for those participating in the Extended Follow-Up period.

Adverse event reporting additional description:

All-cause mortality is assessed in all randomized participants. Adverse events (AEs) and serious AEs (SAEs) are assessed in all treated participants.

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

Dictionary used

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

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

Reporting groups

| | |
|-----------------------|--|
| Reporting group title | DOR/ISL: Virologically Suppressed Cohort |
|-----------------------|--|

Reporting group description:

VS participants (had taken stable 2- or 3-drug combination ART for ≥3 months) pediatric participants with HIV-1 infection receive DOR/ISL for 96 weeks.

| | |
|-----------------------|--|
| Reporting group title | DOR/ISL: Treatment Naive Cohort: Extended Monitoring |
|-----------------------|--|

Reporting group description:

A subset of TN participants who completed the study opted to participate in an extended safety monitoring period.

| | |
|-----------------------|---|
| Reporting group title | DOR/ISL: Virologically Suppressed Cohort: Extended Monitoring |
|-----------------------|---|

Reporting group description:

A subset of VS participants who completed the study opted to participate in an extended safety monitoring period.

| | |
|-----------------------|---------------------------------|
| Reporting group title | DOR/ISL: Treatment Naive Cohort |
|-----------------------|---------------------------------|

Reporting group description:

TN participants with HIV-1 infection receive DOR/ISL for 96 weeks.

| Serious adverse events | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort: Extended Monitoring | DOR/ISL: Virologically Suppressed Cohort: Extended Monitoring |
|---|--|--|---|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 1 / 37 (2.70%) | 0 / 1 (0.00%) | 0 / 14 (0.00%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Injury, poisoning and procedural complications | | | |
| Concussion | | | |
| subjects affected / exposed | 1 / 37 (2.70%) | 0 / 1 (0.00%) | 0 / 14 (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 | DOR/ISL: Treatment Naive Cohort |
|-------------------------------|---------------------------------|

| | | | |
|---|---------------|--|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| number of deaths (all causes) | 0 | | |
| number of deaths resulting from adverse events | 0 | | |
| Injury, poisoning and procedural complications | | | |
| Concussion | | | |
| subjects affected / exposed | 0 / 3 (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: 5 %

| Non-serious adverse events | DOR/ISL: Virologically Suppressed Cohort | DOR/ISL: Treatment Naive Cohort: Extended Monitoring | DOR/ISL: Virologically Suppressed Cohort: Extended Monitoring |
|---|--|--|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 13 / 37 (35.14%) | 1 / 1 (100.00%) | 12 / 14 (85.71%) |
| General disorders and administration site conditions | | | |
| Vaccination site pain | | | |
| subjects affected / exposed | 3 / 37 (8.11%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 3 | 0 | 1 |
| Pyrexia | | | |
| subjects affected / exposed | 3 / 37 (8.11%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 3 | 0 | 1 |
| Injection site pain | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 0 | 0 | 1 |
| Fatigue | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 0 | 0 | 1 |
| Immune system disorders | | | |
| Food allergy | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 0 | 0 | 1 |
| Reproductive system and breast disorders | | | |

| | | | |
|--|----------------------|--------------------|----------------------|
| Heavy menstrual bleeding subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough subjects affected / exposed occurrences (all) | 3 / 37 (8.11%) 4 | 0 / 1 (0.00%) 0 | 4 / 14 (28.57%) 7 |
| Nasal congestion subjects affected / exposed occurrences (all) | 3 / 37 (8.11%) 3 | 0 / 1 (0.00%) 0 | 2 / 14 (14.29%) 4 |
| Oropharyngeal pain subjects affected / exposed occurrences (all) | 4 / 37 (10.81%) 4 | 0 / 1 (0.00%) 0 | 3 / 14 (21.43%) 4 |
| Rhinorrhoea subjects affected / exposed occurrences (all) | 2 / 37 (5.41%) 2 | 0 / 1 (0.00%) 0 | 3 / 14 (21.43%) 4 |
| Nasal mucosal disorder subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 2 |
| Epistaxis subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Productive cough subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Psychiatric disorders | | | |
| Adjustment disorder subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Investigations | | | |
| Creatinine renal clearance decreased subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Weight decreased subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |

| | | | |
|--|----------------|---------------|----------------|
| Injury, poisoning and procedural complications | | | |
| Skin abrasion | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 0 | 0 | 1 |
| Ligament sprain | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 0 | 0 | 1 |
| skin laceratio | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 0 | 0 | 1 |
| Congenital, familial and genetic disorders | | | |
| Phimosis | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 0 | 0 | 1 |
| Nervous system disorders | | | |
| Dizziness | | | |
| subjects affected / exposed | 2 / 37 (5.41%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 2 | 0 | 1 |
| Headache | | | |
| subjects affected / exposed | 2 / 37 (5.41%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 2 | 0 | 1 |
| Gastrointestinal disorders | | | |
| Dyspepsia | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 0 / 14 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Dental caries | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 0 | 0 | 1 |
| Skin and subcutaneous tissue disorders | | | |
| Urticaria | | | |
| subjects affected / exposed | 0 / 37 (0.00%) | 0 / 1 (0.00%) | 0 / 14 (0.00%) |
| occurrences (all) | 0 | 0 | 0 |
| Dermatitis allergic | | | |
| subjects affected / exposed | 2 / 37 (5.41%) | 0 / 1 (0.00%) | 1 / 14 (7.14%) |
| occurrences (all) | 1 | 0 | 1 |
| Dry skin | | | |

| | | | |
|--|---------------------|----------------------|----------------------|
| subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 2 |
| Dermatitis subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Renal and urinary disorders Proteinuria subjects affected / exposed occurrences (all) | 2 / 37 (5.41%) 2 | 0 / 1 (0.00%) 0 | 0 / 14 (0.00%) 0 |
| Nephropathy subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Musculoskeletal and connective tissue disorders Back pain subjects affected / exposed occurrences (all) | 2 / 37 (5.41%) 3 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Infections and infestations Upper respiratory tract infection subjects affected / exposed occurrences (all) | 3 / 37 (8.11%) 3 | 0 / 1 (0.00%) 0 | 3 / 14 (21.43%) 4 |
| Ear infection subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| COVID-19 subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 1 / 1 (100.00%) 1 | 1 / 14 (7.14%) 1 |
| Nasopharyngitis subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Post-acute COVID-19 syndrome subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Respiratory tract infection subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Tonsillitis | | | |

| | | | |
|--|---------------------|--------------------|---------------------|
| subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Varicella subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Metabolism and nutrition disorders Decreased appetite subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |
| Obesity subjects affected / exposed occurrences (all) | 0 / 37 (0.00%) 0 | 0 / 1 (0.00%) 0 | 1 / 14 (7.14%) 1 |

| | | | |
|--|------------------------------------|--|--|
| Non-serious adverse events | DOR/ISL: Treatment Naive Cohort | | |
| Total subjects affected by non-serious adverse events subjects affected / exposed | 2 / 3 (66.67%) | | |
| General disorders and administration site conditions Vaccination site pain subjects affected / exposed occurrences (all) | 1 / 3 (33.33%) 1 | | |
| Pyrexia subjects affected / exposed occurrences (all) | 1 / 3 (33.33%) 1 | | |
| Injection site pain subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | | |
| Fatigue subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | | |
| Immune system disorders Food allergy subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | | |
| Reproductive system and breast disorders Heavy menstrual bleeding | | | |

| | | | |
|--|--------------------|--|--|
| subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Nasal congestion | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Oropharyngeal pain | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Rhinorrhoea | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Nasal mucosal disorder | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Epistaxis | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Productive cough | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Psychiatric disorders | | | |
| Adjustment disorder | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Investigations | | | |
| Creatinine renal clearance decreased | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Weight decreased | | | |
| subjects affected / exposed | 0 / 3 (0.00%) | | |
| occurrences (all) | 0 | | |
| Injury, poisoning and procedural complications | | | |

| | | | |
|--|--|--|--|
| <p>Skin abrasion</p> <p>subjects affected / exposed</p> <p>0 / 3 (0.00%)</p> <p>occurrences (all)</p> <p>0</p> | | | |
| <p>Ligament sprain</p> <p>subjects affected / exposed</p> <p>0 / 3 (0.00%)</p> <p>occurrences (all)</p> <p>0</p> | | | |
| <p>skin laceratio</p> <p>subjects affected / exposed</p> <p>0 / 3 (0.00%)</p> <p>occurrences (all)</p> <p>0</p> | | | |
| <p>Congenital, familial and genetic disorders</p> <p>Phimosis</p> <p>subjects affected / exposed</p> <p>0 / 3 (0.00%)</p> <p>occurrences (all)</p> <p>0</p> | | | |
| <p>Nervous system disorders</p> <p>Dizziness</p> <p>subjects affected / exposed</p> <p>1 / 3 (33.33%)</p> <p>occurrences (all)</p> <p>1</p> <p>Headache</p> <p>subjects affected / exposed</p> <p>1 / 3 (33.33%)</p> <p>occurrences (all)</p> <p>1</p> | | | |
| <p>Gastrointestinal disorders</p> <p>Dyspepsia</p> <p>subjects affected / exposed</p> <p>1 / 3 (33.33%)</p> <p>occurrences (all)</p> <p>1</p> <p>Dental caries</p> <p>subjects affected / exposed</p> <p>0 / 3 (0.00%)</p> <p>occurrences (all)</p> <p>0</p> | | | |
| <p>Skin and subcutaneous tissue disorders</p> <p>Urticaria</p> <p>subjects affected / exposed</p> <p>1 / 3 (33.33%)</p> <p>occurrences (all)</p> <p>1</p> <p>Dermatitis allergic</p> <p>subjects affected / exposed</p> <p>0 / 3 (0.00%)</p> <p>occurrences (all)</p> <p>0</p> <p>Dry skin</p> | | | |

| | | | |
|---|--|--|--|
| <p>subjects affected / exposed occurrences (all)</p> <p>Dermatitis subjects affected / exposed occurrences (all)</p> | <p>0 / 3 (0.00%) 0</p> <p>0 / 3 (0.00%) 0</p> | | |
| <p>Renal and urinary disorders</p> <p>Proteinuria subjects affected / exposed occurrences (all)</p> <p>Nephropathy subjects affected / exposed occurrences (all)</p> | <p>0 / 3 (0.00%) 0</p> <p>0 / 3 (0.00%) 0</p> | | |
| <p>Musculoskeletal and connective tissue disorders</p> <p>Back pain subjects affected / exposed occurrences (all)</p> | <p>0 / 3 (0.00%) 0</p> | | |
| <p>Infections and infestations</p> <p>Upper respiratory tract infection subjects affected / exposed occurrences (all)</p> <p>Ear infection subjects affected / exposed occurrences (all)</p> <p>COVID-19 subjects affected / exposed occurrences (all)</p> <p>Nasopharyngitis subjects affected / exposed occurrences (all)</p> <p>Post-acute COVID-19 syndrome subjects affected / exposed occurrences (all)</p> <p>Respiratory tract infection subjects affected / exposed occurrences (all)</p> <p>Tonsillitis</p> | <p>0 / 3 (0.00%) 0</p> | | |

| | | | |
|--|--------------------|--|--|
| subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | | |
| Varicella subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | | |
| Metabolism and nutrition disorders Decreased appetite subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | | |
| Obesity subjects affected / exposed occurrences (all) | 0 / 3 (0.00%) 0 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|--|
| 12 August 2020 | AM01: the primary purposes of this amendment were to include a new cohort of ART-naïve participants; to remove the Week 12 visit and add visits at Weeks 8 and 16; to remove the 12-year-old lower age limit; to remove DOR PK assessments; and to extend the overall duration of the study to a total of 96 weeks. |
| 12 March 2021 | AM02: the primary purposes of this amendment were to include an assessment of the palatability of a split tablet, and to update inclusion criteria to include only participants who have no prior history of treatment failure. |
| 08 February 2022 | AM03: The primary purposes of the amendment were to discontinue dosing of study intervention in all participants based on Sponsor's acceptance of recommendations by the eDMC for pediatric HIV treatment trials, and to specify plans for detection and follow-up of participants with specified decreases in CD4+ T-cell and/or total lymphocyte counts. |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? Yes

| Date | Interruption | Restart date |
|------------------|--|--------------|
| 13 December 2021 | Decreases in CD4+ T-cell and total lymphocyte counts were observed in some participants. Based on the totality of these changes noted across the ISL program occurring at doses of 0.75 mg and above, the pediatric external data monitoring committee (eDMC) recommended discontinuation of study intervention administration for all participants and to initiate safety monitoring. | - |

Notes:

Limitations and caveats

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

Premature discontinuation of the study limits data interpretation of Week 48 endpoints.

Notes: