

### SECTION-1: Identification of the substance / mixture and the company / undertaking

|                             |                                                                                                                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalogue Number</b>     | CS-O-52370                                                                                                                                                                                                                                                                                           |
| <b>Product Name</b>         | Atosiban Nono Cyclic Impurity                                                                                                                                                                                                                                                                        |
| <b>CAS No.</b>              | -                                                                                                                                                                                                                                                                                                    |
| <b>Category</b>             | Impurity                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>             | (2S)-N1-((R)-3-((acetamidomethyl)thio)-1-((S)-2-(((S)-5-amino-1-((2-amino-2-oxoethyl) amino)-1-oxopentan-2-yl)carbamoyl)pyrrolidin-1-yl)-1-oxopropan-2-yl)-2-((2S,3S)-2-((3 S)-2-((R)-3-(4-ethoxyphenyl)-2-(3-mercaptopropanamido)propanamido)-3-methylpenta namido)-3-hydroxybutanamido)succinamide |
| <b>Brand</b>                | Clearsynth Labs Ltd.                                                                                                                                                                                                                                                                                 |
| <b>Identified uses</b>      | Laboratory Chemicals                                                                                                                                                                                                                                                                                 |
| <b>Uses advised against</b> | Not available                                                                                                                                                                                                                                                                                        |
| <b>Company</b>              | Clearsynth Labs Ltd.<br>Mumbai, India                                                                                                                                                                                                                                                                |
| <b>Emergency Phone #</b>    | +91-22-245045900                                                                                                                                                                                                                                                                                     |
| <b>REACH No.</b>            | Not available                                                                                                                                                                                                                                                                                        |

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Not available

#### 2.2 Label Elements

**Signal Word:** Not available

Not available

#### Hazard Statement(s)

| Code          | Statement     |
|---------------|---------------|
| Not available | Not available |

#### Precautionary Statement(s)

| Code          | Statement     |
|---------------|---------------|
| Not available | Not available |

## SECTION 3: Composition / information on ingredients

### 3.1 Substance

Component : Atosiban Nono Cyclic Impurity

CAS Number : -

Molecular Formula : C<sub>46</sub>H<sub>74</sub>N<sub>12</sub>O<sub>13</sub>S<sub>2</sub>

Molecular Weight : 1067.28

Parent Chemical : Atosiban

Synonyms : (2S)-N1-((R)-3-((acetamidomethyl)thio)-1-((S)-2-(((S)-5-amino-1-((2-amino-2-oxoethyl)amino)-1-oxopen tan-2-yl)carbamoyl)pyrrolidin-1-yl)-1-oxopropan-2-yl)-2-((2S,3S)-2-((3S)-2-((R)-3-(4-ethoxyphenyl)-2-(3-mercapto propanamido)propanamido)-3-methylpentanamido)-3-hydroxybutanamido)succinamide

Concentration : Not available

## SECTION 4: First aid measures

### SECTION 4: First-aid measures

#### 4.1 Description of first aid measures

General advice: Seek medical attention if symptoms occur or persist. Show this SDS to medical personnel.

Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation develops.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

Not available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No data available.

## SECTION 5: Firefighting measures

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures appropriate to local circumstances and the surrounding environment (e.g., water spray, dry chemical, foam, carbon dioxide).

Unsuitable extinguishing media: Not available.

#### 5.2 Special hazards arising from the substance or mixture

No data available. Combustion may produce carbon oxides, nitrogen oxides, sulfur oxides and other irritating/toxic fumes.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full protective gear. Avoid inhalation of combustion products. Use water spray to cool unopened containers exposed to fire.

### SECTION 6: Accidental release measures

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing dust/mist. Use appropriate personal protective equipment (see Section 8). Ensure adequate ventilation.

##### 6.2 Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not allow to enter drains/surface waters/groundwater.

##### 6.3 Methods and material for containment and cleaning up

Contain spill. Collect spilled material using methods that minimize dust generation (e.g., damp wipe or HEPA-filtered vacuum). Place in a suitable, closed container for disposal. Clean contaminated area.

##### 6.4 Reference to other sections

See Sections 8 and 13.

### SECTION-7: Handling and storage

#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid breathing dust. Use with adequate ventilation. Keep container tightly closed when not in use.

##### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Protect from moisture. Keep in original container or compatible container. Incompatibilities: Not available.

##### 7.3 Specific end use(s)

Laboratory/research use only. Not available.

### SECTION 8: Exposure controls / personal protection

#### SECTION 8: Exposure controls/personal protection

##### 8.1 Control parameters

Occupational exposure limits: No data available.

Derived no-effect levels (DNEL)/Predicted no-effect concentrations (PNEC): Not available.

##### 8.2 Exposure controls

Engineering controls: Use local exhaust ventilation or other engineering controls to maintain airborne levels as low as practicable.

Personal protective equipment (PPE):

- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Protective gloves (material not available). Wear lab coat/protective clothing.
- Respiratory protection: If dust/aerosols are generated or ventilation is inadequate, use a suitable particulate respirator.
- Hygiene measures: Wash hands after handling. Do not eat, drink, or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| Test        | Result            |
|-------------|-------------------|
| Appearance  | No data available |
| IR spectrum | No data available |
| pH          | No data available |
| Solubility  | No data available |

| Property                                   | Value             |
|--------------------------------------------|-------------------|
| a) Physical State                          | No data available |
| b) Color                                   | No data available |
| c) Odor                                    | No data available |
| d) pH                                      | No data available |
| e) Vapour Pressure                         | No data available |
| f) Viscosity                               | No data available |
| g) Initial Boiling Point and boiling range | No data available |
| h) Melting Point / Freezing Point          | No data available |
| i) Auto Ignition Temperature               | No data available |
| j) Flash Point                             | No data available |
| k) Explosion Limit, Lower                  | No data available |
| l) Explosion Limit, Upper                  | No data available |
| m) Decomposition Temperature               | No data available |
| n) Loss on Drying                          | No data available |
| o) Relative Density                        | No data available |
| p) Solubility (in DMSO)                    | No data available |
| q) Oxidizing Properties                    | No data available |

## SECTION 10: Stability and reactivity

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No data available.

#### 10.2 Chemical stability

Stable under recommended storage conditions. No data available.

#### 10.3 Possibility of hazardous reactions

No data available.

#### 10.4 Conditions to avoid

Avoid dust formation. Avoid heat and moisture. Other conditions: Not available.

#### 10.5 Incompatible materials

Not available.

#### 10.6 Hazardous decomposition products

No data available. Thermal decomposition/combustion may produce carbon oxides, nitrogen oxides, sulfur oxides and other irritating/toxic fumes.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- Acute toxicity: No data available.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

#### Likely routes of exposure

- No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

### SECTION 12: Ecological information

#### SECTION 12: Ecological information

##### 12.1 Toxicity

No data available.

##### 12.2 Persistence and degradability

No data available.

##### 12.3 Bioaccumulative potential

No data available.

#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

Not available.

#### 12.6 Endocrine disrupting properties

No data available.

#### 12.7 Other adverse effects

No data available.

### SECTION 13: Disposal considerations

#### SECTION 13: Disposal considerations

##### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulations. Do not discharge to drains.

Recommended disposal: Incineration or disposal via a licensed chemical waste contractor, as appropriate.

Contaminated packaging: Dispose of as unused product.

### SECTION 14: Transport information

#### SECTION 14: Transport information

##### 14.1 UN number

Not available.

##### 14.2 UN proper shipping name

Not available.

##### 14.3 Transport hazard class(es)

Not available.

##### 14.4 Packing group

Not available.

##### 14.5 Environmental hazards

Not available.

##### 14.6 Special precautions for user

Not available.

##### 14.7 Maritime transport in bulk according to IMO instruments

Not available.

### SECTION 15: Regulatory information

#### SECTION 15: Regulatory information

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available. Regulatory status/inventory listing information: Not available.

**15.2 Chemical safety assessment**

No data available.

**SECTION 16: Other information****SECTION 16: Other information**

Product name: Atosiban Nono Cyclic Impurity

Catalog no.: CS-O-52370

CAS no.: Not available

Category: Impurity

Molecular weight: 1067.28

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Revision date: 2026-03-07

Disclaimer: The information provided is based on available product information and is believed to be accurate; however, it is provided without warranty. Users must determine suitability for their particular application and comply with all applicable laws and regulations.

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