

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

<b>Catalogue Number</b>	CS-O-03565
<b>Product Name</b>	tert-Butyl 4-amino-1-cyclobutyl-3,4-dioxobutan-2-yl carbamate
<b>CAS No.</b>	394735-22-9
<b>Category</b>	Impurity
<b>Synonyms</b>	"Boceprevir Intermediate : tert-Butyl 4-amino-1-cyclobutyl-3,4-dioxobutan-2-yl carbamate;(2-CARBAMOYL-1-CYCLOBUTYLMETHYL-2-HYDROXY-ETHYL)-CARBAMIC ACID TERT-BUTYL ESTER;3-(tert-ButoxycarbonylAmino)-4-cyclobutyl-2-hydroxybutanamide;N-[3-AMino-1-(cyclobutylMethyl)-2-hydroxy-3-oxopropyl]-carbamic Acid 1,1-Dimethylethyl Ester;tert-butyl 4-amino-1-cyclobutyl-3-hydroxy-4-oxobutan-2-ylcarbamate;tert-Butyl 4-amino-1-cyclobutyl-3,4-dioxobutan-2-ylcarbamate;Carbamic acid, N-[3-amino-1-(cyclobutylmethyl)-2-hydroxy-3-oxopropyl]-, 1,1-dimethylethyl ester"
<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. 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:** Warning

Not available

#### Hazard Statement(s)

Code	Statement
H228	Not available
H252	Not available

### Precautionary Statement(s)

Code	Statement
P210	Not available
P235	Not available
P240	Not available
P241	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378	Not available
P407	Not available
P410	Not available
P413	Not available
P420	Not available

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : tert-Butyl 4-amino-1-cyclobutyl-3,4-dioxobutan-2-yl carbamate

CAS Number : 394735-22-9

Molecular Formula : C<sub>13</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight : 272.34

Parent Chemical : Boceprevir

Synonyms : "Boceprevir Intermediate : tert-Butyl 4-amino-1-cyclobutyl-3,4-dioxobutan-2-yl carbamate;(2-CARBAMOYL-1-CYCLOBUTYLMETHYL-2-HYDROXY-ETHYL)-CARBAMIC ACID TERT-BUTYL ESTER;3-(tert-Butoxycarbonylamino)-4-cyclobutyl-2-hydroxybutanamide;N-[3-AMINO-1-(cyclobutylmethyl)-2-hydroxy-3-oxopropyl]-carbamic Acid 1,1-Dimethylethyl Ester;tert-butyl 4-amino-1-cyclobutyl-3-hydroxy-4-oxobutan-2-ylcarbamate;tert-Butyl 4-amino-1-cyclobutyl-3,4-dioxobutan-2-ylcarbamate;Carbamic acid, N-[3-amino-1-(cyclobutylmethyl)-2-hydroxy-3-oxopropyl]-, 1,1-dimethylethyl ester"

Concentration : Not available

### SECTION 4: First aid measures

Not available

### SECTION 5: Firefighting measures

Not available

## SECTION 6: Accidental release measures

Not available

## SECTION-7: Handling and storage

Not available

## SECTION 8: Exposure controls / personal protection

Not available

## 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

Property	Value
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

Not available

### 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

Not available

### SECTION 13: Disposal considerations

Not available

### SECTION 14: Transport information

Not available

### SECTION 15: Regulatory information

Not available

### SECTION 16: Other information

Not available

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