

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

Catalogue Number	CS-T-101768
Product Name	Butropium Bromide-d9
CAS No.	Not available
Category	Stable Isotopes
Synonyms	[3(S)-endo]-8-[(4-Butoxyphenyl-d9)methyl]-3-(3-hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-azoniabicyclo[3.2.1]octane Bromide; (p-Butoxybenzyl-d9)hyoscyaminium Bromide; N-(Butoxybenzyl-d9)hyoscyamine Bromide; BHB-d9; Coliopan-d9;
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email 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 : Butropium Bromide-d9

CAS Number : Not available

Molecular Formula : C28H29D9BrNO4

Molecular Weight : 541.57

Parent Chemical : Not available

Synonyms : [3(S)-endo]-8-[(4-Butoxyphenyl-d9)methyl]-3-(3-hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-azoniabicyclo[3.2.1]octane Bromide; (p-Butoxybenzyl-d9)hyoscyaminium Bromide; N-(Butoxybenzyl-d9)hyoscyamine Bromide; BHB-d9; Coliopan-d9;

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 the physician.
- 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. Do NOT induce vomiting unless directed by medical personnel. Seek medical attention.

4.2 Most important symptoms/effects, acute and delayed

- Not available.

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically. No data available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

- Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

- No data available. Combustion may produce carbon oxides, nitrogen oxides, and hydrogen bromide/bromides.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Use water spray to cool unopened containers.

5.4 Further information

- Not available.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid breathing dust/aerosols.
- Avoid contact with skin and eyes.
- Use appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- Avoid release to the environment. No data available.

6.3 Methods and materials for containment and cleaning up

- For small spills: Carefully sweep up or pick up without generating dust; place in a suitable, closed container for disposal.
- Clean spill area with water and detergent as appropriate.

6.4 Reference to other sections

- Disposal considerations: see Section 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 formation of dust and aerosols.
- Avoid contact with skin, eyes, and clothing.
- Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a tightly closed container.
- Store in a cool, dry, well-ventilated place.
- Protect from moisture.
- Incompatibilities: Not available.

7.3 Specific end use(s)

- Laboratory/research use. Not for food, drug, or household use.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Occupational exposure limits: Not available.
- DNEL/PNEC: Not available.

8.2 Exposure controls

- Engineering controls: Use local exhaust ventilation or general ventilation to minimize exposure.
- Personal protective equipment (PPE):

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

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

Property	Value
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

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10.1 Reactivity

- No data available.

10.2 Chemical stability

- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- No data available.

10.4 Conditions to avoid

- Excess heat, moisture, and dust generation. No data available.

10.5 Incompatible materials

- Not available.

10.6 Hazardous decomposition products

- No data available. Thermal decomposition/combustion may produce carbon oxides, nitrogen oxides, and hydrogen bromide/bromides.

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

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12.1 Toxicity

- Not available.

12.2 Persistence and degradability

- Not available.

12.3 Bioaccumulative potential

- Not available.

12.4 Mobility in soil

- Not available.

12.5 Results of PBT and vPvB assessment

- Not available.

12.6 Endocrine disrupting properties

- Not available.

12.7 Other adverse effects

- Not 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: Use a licensed chemical waste contractor. Incineration or other approved treatment may be appropriate.

13.2 Contaminated packaging

- Dispose of as unused product in accordance with applicable regulations.

SECTION 14: Transport information

SECTION 14: Transport information

- UN number: Not available.

- UN proper shipping name: Not available.

- Transport hazard class(es): Not available.

- Packing group: Not available.

- Environmental hazards: Not available.

- Special precautions for user: Not available.

- Transport in bulk according to IMO instruments: Not available.

Note: Transport classification may vary by mode (ADR/RID, IMDG, IATA) and package quantity; confirm with carrier and applicable regulations.

SECTION 15: Regulatory information

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

- Regulatory listings (e.g., TSCA, REACH, DSL, EINECS/ELINCS, ENCS, IECSC, AICS, KECI): Not available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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- Product name: Butropium Bromide-d9
- Catalog No.: CS-T-101768
- Category: Stable Isotopes
- Molecular weight: 541.57
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Revision information

- Not available.

Disclaimer

- The information provided is believed to be accurate to the best of our knowledge; however, it is provided without warranty. Users are responsible for determining suitability for their particular application and for complying with applicable laws and regulations.

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