[**Product Information**]

**Name:** Scopolamine hydrobromide

**Catalog No.:** CFN99709

**Cas No.:** 114-49-8

**Purity:** $\geq 98\%$

**M.F:** $C_{17}H_{22}BrNO_4$

**M.W:** 384.26

**Physical Description:** Powder

**Synonyms:** alpha.-((Hydroxymethyl)-,9-methyl-3-oxa-9-azatricyclo[3.3.1.0^2,4]non-7-ylester,hydrobromide,[7(Benzeneaceticacid.

[**Intended Use**]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[**Source**]

The herbs of *Atropa belladonna L.*

[**Biological Activity or Inhibitors**]
Scopolamine hydrobromide can induce learning and memory impairment.[1]

Scopolamine hydrobromide nasal gel is a safe and promising therapeutic alternative to existing medications for motion sickness.[2]

Scopolamine hydrobromide and NaHCO₃ can be used to treat tetrodotoxin (TTX) poisoning. [3]

[ Solvent ]

Pyridine, Methanol, Ethanol, etc.

[ HPLC Method ][4]

Mobile phase: Acetonitrile-Sodium phosphate buffer solution (0.07 M sodium phosphate solution with 17.5 mM sodium dodecylsulfate adjusted to pH 6.0 with phosphoric acid solution) =30:70 ;
Flow rate: 0.9 ml/min;
Column temperature: 25 ℃;
The wavelength of determination: 207 nm.

[ Storage ]

2-8 ℃, Protected from air and light, refrigerate or freeze.

[ References ]


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