

Scopolamine butylbromide Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Scopolamine butylbromide

Catalog No.: CFN98158

Cas No.: 149-64-4

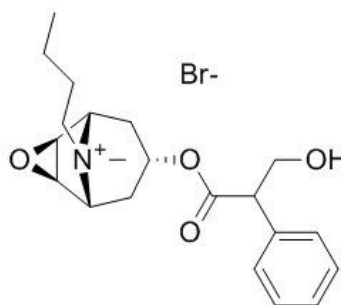
Purity: >=98%

M.F: C₂₁H₃₀BrNO₄

M.W: 440.37

Physical Description: Powder

Synonyms: N-Butylscopolammonium Bromide; (1S,2R,4S,5S)-9-butyl-7-[(3-hydroxy-2-phenylpropanoyl)oxy]-9-methyl-3-oxa-9-azoniatricyclo[3.3.1.0~2,4~]nonane bromide.



[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 butylbromide(HB) is an anticholinergic drug used as a smooth muscle relaxant, and is used even in some surgical procedures during general anesthesia, HB also causes an increase in heart rate as a side effect, but the simultaneous administration of HB and esmolol could be useful for heart rate control after HB administration.^[1]

Muscarinic receptor subtype-3 gene ablation and scopolamine butylbromide treatment can attenuate small intestinal neoplasia in Apcmin/+ mice.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase:0.05M Ammonium acetate - Methanol-Acetonitrile =48:32:20;

Flow rate:1.0 ml/min;

Column temperature: 30°C;

The wave length of determination:220 nm.

[Storage]

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

[References]

[1] Suzuki S, Nonaka A, Abe F. *Masui*, 2005 Nov;54(11):1277-81.

[2] Raufman J P, Shant J, Xie G, *et al.Carcinogenesis*, 2011 Sep;32(9):1396-402.

[3] I.N.Papadoyannis, A.Zotou, V.Samanidou, *et al. Instrumentation Science & Technology*, 1994, 22(1):83-103.

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