

Scopolamine butylbromide

Catalog No: tcsc3142



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

149-64-4

Formula:

$C_{21}H_{30}BrNO_4$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

mAChR;mAChR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 90 mg/mL (204.37 mM)

Alternative Names:

Hyoscine butylbromide; (-)-Scopolamine butylbromide; Butylscopolamine bromide

Observed Molecular Weight:

440.37

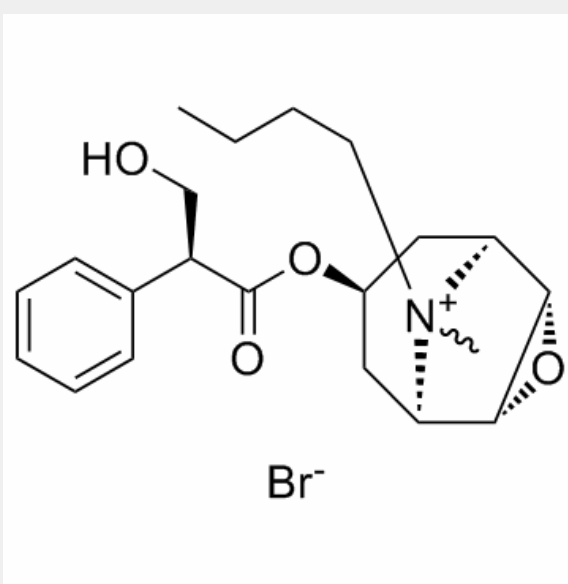
Product Description

Scopolamine butylbromide is a competitive antagonist of muscarinic acetylcholine receptor (mAChR) with an IC₅₀ of 55.3 ± 4.3 nM.

Target: mAChR

Scopolamine (USAN), also known as levo-duboisine and hyoscine, sold as Scopoderm, is a tropane alkaloid drug with muscarinic antagonist effects. It is among the secondary metabolites of plants from Solanaceae (nightshade) family of plants, such as henbane, jimson weed (*Datura*), angel's trumpets (*Brugmansia*), and corkwood (*Duboisia*). Scopolamine exerts its effects by acting as a competitive antagonist at muscarinic acetylcholine receptors, specifically M1 receptors; it is thus classified as an anticholinergic, antimuscarinic drug.

Its use in medicine is relatively limited, with its chief uses being in the treatment of motion sickness and postoperative nausea and vomiting. Scopolamine is named after the plant genus *Scopolia*. The name "hyoscine" is from the scientific name for henbane, *Hyoscyamus niger*.



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