

Catalog	Unit
TBI2324 - 1G	1 g

Product Details

Formal Name: 3-(Endo)-3-(diphenylmethoxy)-8-methyl-8-azabicyclo[3.2.1]octane methanesulfonate

Molecular Formula: C₂₁H₂₅NO • CH₄SO₃

Formula Weight: 403.53

CAS Number: 132-17-2

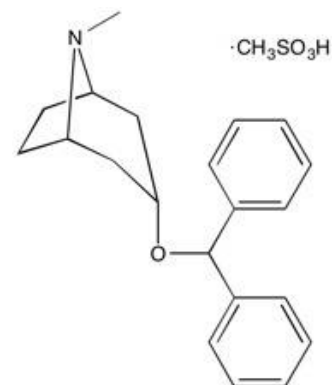
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 35 mg/ml) or in Ethanol (up to 5 mg/ml with warming)

Storage: RT

Stability: ≥ 2 years.



Applications

GPR17 agonist; Induces remyelination of neurons.

Functions

Centrally acting M1 muscarinic acetylcholine receptor antagonist ($K_i = 0.59$ nM, rat). Also inhibits the dopamine transporter ($K_i = 160$ nM). Enhances remyelination and significantly decreases clinical severity in the experimental autoimmune encephalomyelitis model of relapsing-remitting multiple sclerosis alone or in combination with immunosuppressive agents. Inhibits hepatitis C virus infection.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml) or in Ethanol (up to 5 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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