

Ipratropium (bromide)

Catalog No: tcsc2220



Available Sizes

Size: 100mg



Specifications

CAS No:

22254-24-6

Formula:

$C_{20}H_{30}BrNO_3$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

mAChR;mAChR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 35 mg/mL (84.88 mM)

Alternative Names:

Sch 1000

Observed Molecular Weight:

412.36

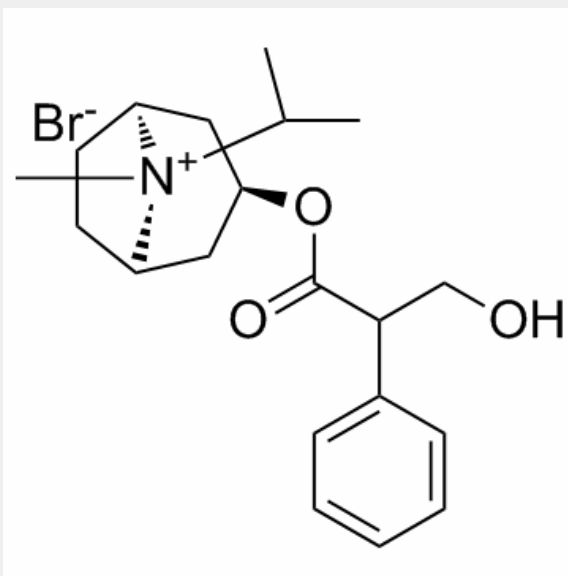
Product Description

Ipratropium Bromide is a muscarinic antagonist, bronchodilator, N-Isopropyl salt of atropine.

Target: mAChR

Ipratropium bromide, a nonselective muscarinic antagonist, is widely prescribed for the treatment of chronic obstructive pulmonary

disease (COPD). In anaesthetised guinea-pigs, bronchoconstriction induced by vagal nerve stimulation was potentiated by low doses of the antimuscarinic bronchodilator drug, ipratropium (0.01-1.0 g/kg); the maximum effect was obtained with 1.0 g/kg which doubled the bronchoconstriction. When the dose was increased above 1.0 g/kg potentiation no longer occurred; instead the vagally induced bronchoconstriction was antagonized [1, 2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!