

Biperiden (Hydrochloride)

Catalog No: tcsc0442



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

1235-82-1

Formula:

$C_{21}H_{30}ClNO$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

mAChR;mAChR

Purity / Grade:

>98%

Solubility:

H₂O : 5 mg/mL (14.37 mM; Need ultrasonic)

Alternative Names:

NSC 170950;NSC 84989

Observed Molecular Weight:

347.92

Product Description

Biperiden(KL 373) Hcl is an antiparkinsonian agent, which is the selective central M1 cholinoreceptors blocker.

Target: M1 receptors

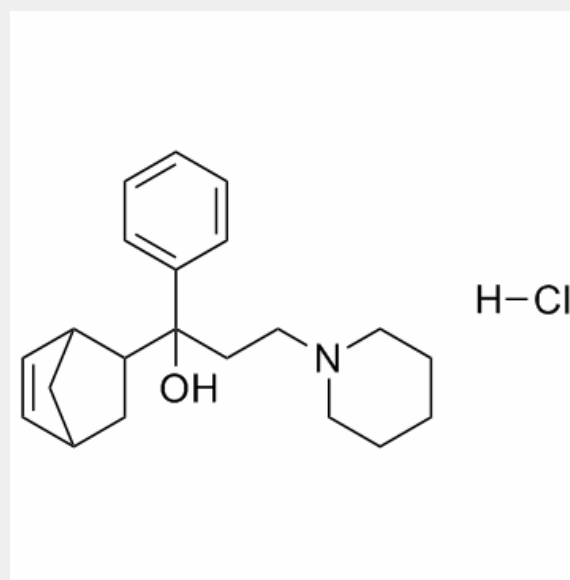
Biperiden is an antiparkinsonian agent of the anticholinergic type. It is used for the adjunctive treatment of all forms of Parkinson's disease (postencephalitic, idiopathic, and arteriosclerotic)[1]. Biperiden has an atropine-like blocking effect on all peripheral structures which are parasympathetic-innervate. It also has a prominent central blocking effect on M1 receptors [2].

Biperiden (0.11 mg/kg), benactyzine (0.3 mg/kg),caramiphen (10 mg/kg), procyclidine (3 mg/kg), and trihexyphenidyl (0.12 mg/kg) separately and each in combination with physostigmine (0.1 mg/kg) is to make a comparative assessment of potential cognitive effects. The results showed that benactyzine, caramiphen, and trihexyphenidyl reduced rats' innate preference for novelty, whereas biperiden and procyclidine did not [3].

Clinical indications: parkinsonism

FDA Approved Date:

Toxicity: Drowsiness; vertigo; headache; dizziness



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