

Meclizine (dihydrochloride)

Catalog No: tcsc2388



Available Sizes

Size: 100mg

Size: 5g



Specifications

CAS No:

1104-22-9

Formula:

$C_{25}H_{29}Cl_3N_2$

Pathway:

Immunology/Inflammation;GPCR/G Protein

Target:

Histamine Receptor;Histamine Receptor

Purity / Grade:

>98%

Solubility:

DMSO : 92 mg/mL (198.33 mM; Need ultrasonic)

Alternative Names:

Meclozine dihydrochloride;NSC28728

Observed Molecular Weight:

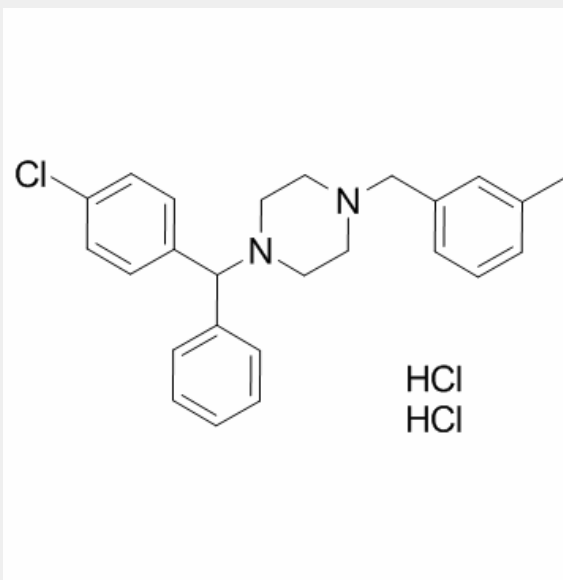
463.87

Product Description

Meclizine is a histamine H1 receptor antagonist used to treat nausea and motion sickness

Target: Histamine H1 Receptor

Meclizine is a histamine H1 receptor antagonist used to treat nausea and motion sickness, possesses anticholinergic, central nervous system depressant, and local anesthetic effects [1]. Meclizine is an agonist ligand for mouse CAR (constitutive androstane receptor), and an inverse agonist for human CAR. Meclizine increases mCAR transactivation in a dose-dependent manner, stimulates binding of steroid receptor coactivator 1 to the murine receptor in vitro. In contrast, meclizine suppresses hCAR transactivation and inhibits the phenobarbital-induced expression of the CAR target genes, cytochrome p450 monooxygenase (CYP)2B10, CYP3A11, and CYP1A2, in primary hepatocytes derived from mice expressing hCAR, but not mCAR [2].



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