Data Sheet (Cat.No.T21669)

TargetMol

Haloperidol hydrochloride

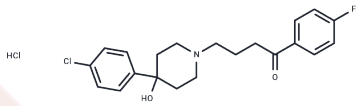
Chemical Properties

CAS No. : 1511-16-6

Formula: C21H24Cl2FNO2

Molecular Weight: 412.33

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Haloperidol hydrochloride, a potent dopamine D2 receptor antagonist, is an effective antipsychotic agent.
Targets(IC50)	Others,Dopamine Receptor
In vivo	Administering 1 mg of Haloperidol intra-arterially reduces dopamine-induced pancreatic secretion. At a dosage of 3 mg, Haloperidol entirely nullifies the effect of 10 μg of dopamine on the pancreases of dogs [1]. Furthermore, Haloperidol (10 mg/kg) alongside chlorpromazine (CPZ, 15 mg/kg) mitigates mescaline-induced behavioral changes in mice within 7 to 10 minutes when administered 45 minutes following a 50 mg/kg (2 μc) dose of mescaline. However, Haloperidol does not influence the rate at which mescaline is eliminated [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4252 mL	12.1262 mL	24.2524 mL
5 mM	0.485 mL	2.4252 mL	4.8505 mL
10 mM	0.2425 mL	1.2126 mL	2.4252 mL
50 mM	0.0485 mL	0.2425 mL	0.485 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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