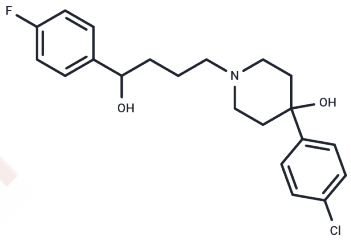
Data Sheet (Cat.No.T37167)

TargetMol

Reduced Haloperidol

Chemical Properties



CAS No. : 34104-67-1

Formula: C21H25ClFNO2

Molecular Weight: 377.88

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	Reduced haloperidol is an active metabolite of haloperidol . It is formed via reduction of haloperidol by ketone reductase. Reduced haloperidol inhibits radioligand binding to sigma-1 and dopamine D2 receptors (Kis = 1.4 and 31 nM, respectively) and stimulates brain-derived neurotrophic factor (BDNF) secretion from CCF-SSTG1 and U87MG astrocytic glial cells. It also inhibits norepinephrine, dopamine, and serotonin (5-HT) reuptake (Kis = 21, 25, and 33 μM, respectively, in COS-7 cells expressing the human transporters). Reduced haloperidol (0.5 mg/kg) increases latency to paw withdrawal in mouse models of capsaicin- but not force-induced mechanical hypersensitivity.
Targets(IC50)	Others,Drug Metabolite

Solubility Information

Solubility	Dichloromethane: Slightly soluble Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6463 mL	13.2317 mL	26.4634 mL
5 mM	0.5293 mL	2.6463 mL	5.2927 mL
10 mM	0.2646 mL	1.3232 mL	2.6463 mL
50 mM	0.0529 mL	0.2646 mL	0.5293 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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