Data Sheet (Cat.No.T24959)

TargetMol

(R)-SCH-23982 HCl

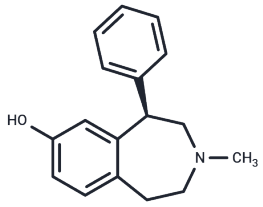
Chemical Properties

CAS No. : 300561-61-9

Formula: C17H20ClNO

Molecular Weight: 289.8

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	(R)-SCH-23982 HCl is a [125I]-(R)-SCH-23982 precursor and a D1 antagonist.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4507 mL	17.2533 mL	34.5066 mL
5 mM	0.6901 mL	3.4507 mL	6.9013 mL
10 mM	0.3451 mL	1.7253 mL	3.4507 mL
50 mM	0.069 mL	0.3451 mL	0.6901 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.

Reference

Shin Y, White BH, Uh M, Sidhu A. Modulation of D1-like dopamine receptor function by aldehydic products of lipid peroxidation. Brain Res. 2003 Apr 4;968(1):102-13. PubMed PMID: 12644268.

Sidhu A, Olde B, Humblot N, Kimura K, Gardner N. Regulation of human D1 dopamine receptor function and gene expression in SK-N-MC neuroblastoma cells. Neuroscience. 1999;91(2):537-47. PubMed PMID: 10366011.

Sidhu A, Uh M, Sela S, White BH, Kimura K, Patel S. Molecular and structural differences between rat brain D-1 and renal DA-1 dopamine receptors. Neurosci Res. 1997 Sep;29(1):1-8. PubMed PMID: 9293487.

Lawler CP, Gilmore JH, Mooney DH, Mayleben MA, Atashi JR, Mileson BE, Wyrick SD, Mailman RB. A rapid and efficient method for the radiosynthesis and purification of [125I]SCH23982. J Neurosci Methods. 1993 Aug;49(1-2):141-53. PubMed PMID: 8271827.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481