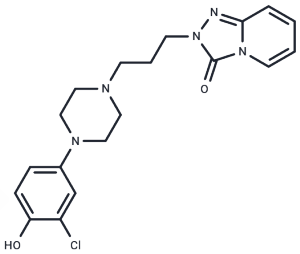
Data Sheet (Cat.No.T35721)

TargetMol

4'-hydroxy Trazodone

Chemical Properties



CAS No. : 53818-10-3

Formula: C19H22ClN5O2

Molecular Weight: 387.87

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	4'-Hydroxy Trazodone, a metabolite of the antidepressant and sedative trazodone, is an inhibitor of organic anion transporter 3 (OAT3; Ki = 16.9 μM) and is selective for OAT3 over OAT1 (Ki > 200 μM).
Targets(IC50)	OAT,Others

Solubility Information

Solubility	Methanol: Slightly soluble,Sonication is recommended. Chloroform: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5782 mL	12.8909 mL	25.7818 mL
5 mM	0.5156 mL	2.5782 mL	5.1564 mL
10 mM	0.2578 mL	1.2891 mL	2.5782 mL
50 mM	0.0516 mL	0.2578 mL	0.5156 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

Yamato, C., Takahashi, T., Fujita, T., et al.Studies on metabolism of trazodone, II. Metabolic fate after intravenous administration and effects on liver microsomal drug-metabolizing enzymes in ratsXenobiotica4(12)765-777(1974)
Zou, L., Matsson, P., Stecula, A., et al.Drug metabolites potently inhibit renal organic anion transporters, OAT1 and OAT3J. Pharm. Sci.110(1)347-353(2021)

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