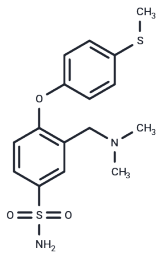
Data Sheet (Cat.No.T34994)

TargetMol

Uk-390957

Chemical Properties



CAS No. : 364321-71-1

Formula: C16H20N2O3S2

Molecular Weight: 352.47

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	Uk-390957 is a sulfonamide compound with a high BPR due to binding to carbonic anhydrase.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (156.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8371 mL	14.1856 mL	28.3712 mL
5 mM	0.5674 mL	2.8371 mL	5.6742 mL
10 mM	0.2837 mL	1.4186 mL	2.8371 mL
50 mM	0.0567 mL	0.2837 mL	0.5674 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

Small H, et al. Measurement of binding of basic drugs to acidic phospholipids using surface plasmon resonance and incorporation of the data into mechanistic tissue composition equations to predict steady-state volume of distribution. Drug Metab Dispos. 2011;39(10):1789-1793.
Middleton DS, et al. Designing rapid onset selective serotonin re-uptake inhibitors. Part 3: Site-directed metabolism as a strategy to avoid active circulating metabolites: structure-activity relationships of (thioalkyl) phenoxy benzylamines. Bioorg Med Chem Lett. 2008;18(19):5303-5306.
Andrews, et al. Preparation of diphenyl ether compounds as serotonin re-uptake inhibitors. WO2001072687 A1.

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