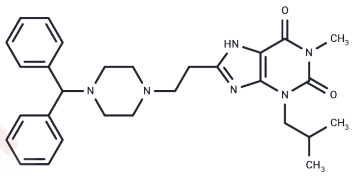
Data Sheet (Cat.No.T68090)

TargetMol

Laprafylline

Chemical Properties



CAS No. : 90749-32-9

Formula: C29H36N6O2

Molecular Weight: 500.64

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	Laprafylline is a xanthine compound with inhibitory effects on bronchoconstriction in vivo and antitumor activity.Laprafylline acts as a competitive serotonergic antagonist at low concentrations, and inhibits constriction induced by hist at high difficulties.
Targets(IC50)	Others,PDE

Solubility Information

Solubility	DMSO: 2.5 mg/mL (4.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9974 mL	9.9872 mL	19.9744 mL
5 mM	0.3995 mL	1.9974 mL	3.9949 mL
10 mM	0.1997 mL	0.9987 mL	1.9974 mL
50 mM	0.0399 mL	0.1997 mL	0.3995 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

Barupal DK, et al. Generating the Blood Exposome Database Using a Comprehensive Text Mining and Database Fusion Approach. Environ Health Perspect. 2019 Sep;127(9):97008.

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