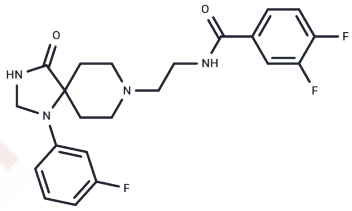
Data Sheet (Cat.No.T8966)

TargetMol

ML-298

Chemical Properties



CAS No. : 1426916-02-0

Formula: C22H23F3N4O2

Molecular Weight: 432.44

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	ML-298 (CID53393915) is a potent, specific inhibitor of Phospholipase D2 (PLD2, IC50 of 355 nM).
Targets(IC50)	Phospholipase

Solubility Information

Solubility	DMSO: 9 mg/mL (20.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3125 mL	11.5623 mL	23.1246 mL
5 mM	0.4625 mL	2.3125 mL	4.6249 mL
10 mM	0.2312 mL	1.1562 mL	2.3125 mL
50 mM	0.0462 mL	0.2312 mL	0.4625 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

Brown K A . Development of dual PLD1/2 and PLD2 selective inhibitors from a common 1,3,8-Triazaspiro[4.5] decane Core: discovery of Ml298 and Ml299 that decrease invasive migration in U87-MG glioblastoma cells.[J]. Journal of Medicinal Chemistry, 2013, 56(6):2695.
Scott S A , MC O'Reilly, Daniels J S , et al. Development of a Selective, Allosteric PLD2 Inhibitor[M]. PubMed, 2010.

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