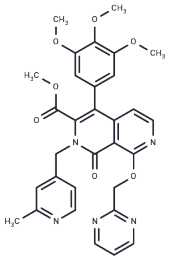
Data Sheet (Cat.No.T23411L)

TargetMol

T-0156

Chemical Properties



CAS No. : 324572-92-1

Formula: C31H29N5O7

Molecular Weight: 583.59

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	T-0156 is a novel, potent and selective phosphodiesterase type 5 inhibitor that inhibits the hydrolysis of cyclic guanosine monophosphate (cGMP) with low affinity for PDE6, PDE1, PDE2, PDE3 and PDE4.
Targets(IC50)	Parasite,PDE

Solubility Information

Solubility	DMSO: 55 mg/mL (94.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7135 mL	8.5677 mL	17.1353 mL
5 mM	0.3427 mL	1.7135 mL	3.4271 mL
10 mM	0.1714 mL	0.8568 mL	1.7135 mL
50 mM	0.0343 mL	0.1714 mL	0.3427 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

Robert Bacallao, et al.Targeting cGMP-related phosphodiesterases to reduce cyst formation in cystic kidney disease, and related materials and methods.US10456404B2.

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