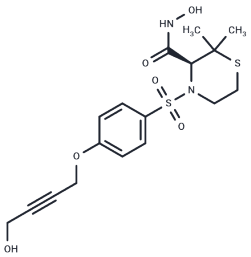
Data Sheet (Cat.No.T14312)

TargetMol

Apratastat

Chemical Properties



CAS No. : 287405-51-0

Formula: C17H22N2O6S2

Molecular Weight: 414.5

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	Apratastat is an orally active, potent, and reversible dual inhibitor of tumor necrosis factor-α converting enzyme (TACE) and matrix metalloproteinases (MMPs) and it also can potently inhibit the release of TNF-α in vitro, ex vivo, and in vivo with IC50s of 144 ng/mL in vitro and 81.7 ng/mL ex vivo, respectively[1].
Targets(IC50)	MMP,TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4125 mL	12.0627 mL	24.1255 mL
5 mM	0.4825 mL	2.4125 mL	4.8251 mL
10 mM	0.2413 mL	1.2063 mL	2.4125 mL
50 mM	0.0483 mL	0.2413 mL	0.4825 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

Shu C, et al. Pharmacokinetic-pharmacodynamic modeling of apratastat: a population-based approach. J Clin Pharmacol. 2011 Apr;51(4):472-81.

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