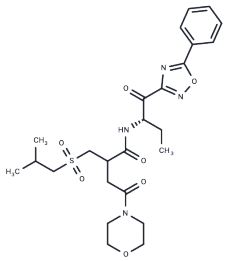
Data Sheet (Cat.No.T28658)

TargetMol

SAR-114137

Chemical Properties



CAS No. : 537706-31-3

Formula: C25H34N4O7S

Molecular Weight: 534.63

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	SAR-114137 is a histone sphingomyelin kinase inhibitor used in the study of molluscum arteriosum and peripheral neuropathic pain.
Targets(IC50)	Cysteine Protease,S1P Receptor
In vivo	In different in vivo models for neuropathic and inflammatory pain (mouse, hamster and guinea pig), the drug showed an efficacy (ED50) for pain relief down to 1 ng/kg; thus, SAR-114137 is a highly potent API (active pharmaceutical ingredient). [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8705 mL	9.3523 mL	18.7045 mL
5 mM	0.3741 mL	1.8705 mL	3.7409 mL
10 mM	0.187 mL	0.9352 mL	1.8705 mL
50 mM	0.0374 mL	0.187 mL	0.3741 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

Petzoldt C, et al. An example of how to handle amorphous fractions in API during early pharmaceutical development: SAR114137--a successful approach. Eur J Pharm Biopharm. 2014 Apr;86(3):337-50.
Feth MP, et al. From laboratory to pilot plant: the solid-state process development of a highly potent cathepsin S/K inhibitor. Eur J Pharm Biopharm. 2013 Apr;83(3):436-48.

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