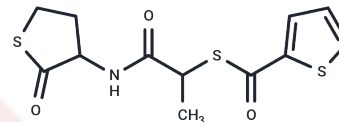


midesteine

Chemical Properties

CAS No. :	94149-41-4
Formula:	C ₁₂ H ₁₃ NO ₃ S ₃
Molecular Weight:	315.43
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	Midesteine (MR-889) is a small molecule neutrophil elastase inhibitor used in the treatment of bronchitis, asthma and chronic lung disease.
Targets(IC50)	Others,Serine Protease

Solubility Information

Solubility	DMSO: 50 mg/mL (158.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1703 mL	15.8514 mL	31.7028 mL
5 mM	0.6341 mL	3.1703 mL	6.3406 mL
10 mM	0.317 mL	1.5851 mL	3.1703 mL
50 mM	0.0634 mL	0.317 mL	0.6341 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

Luisetti M, et al. Studies of MR 889, a new synthetic proteinase inhibitor. Biochem Biophys Res Commun. 1989 Dec 15;165(2):568-73.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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