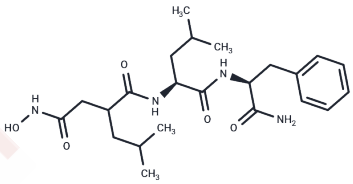
Data Sheet (Cat.No.T26304)

TargetMol

U 27391

Chemical Properties



CAS No. : 106314-87-8

Formula: C23H36N4O5

Molecular Weight: 448.56

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	U 27391 is a metalloproteinase inhibitor. It acts by inhibits the action of human recombinant interleukin-1beta and glycosaminoglycan synthesis.
Targets(IC50)	MMP,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2294 mL	11.1468 mL	22.2936 mL
5 mM	0.4459 mL	2.2294 mL	4.4587 mL
10 mM	0.2229 mL	1.1147 mL	2.2294 mL
50 mM	0.0446 mL	0.2229 mL	0.4459 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

Steinmeyer J, Daufeldt S. Pharmacological influence of antirheumatic drugs on proteoglycans from interleukin-1 treated articular cartilage. Biochem Pharmacol. 1997 Jun 1;53(11):1627-35. PubMed PMID: 9264315.

Steinmeyer J, Daufeldt S, Kalbhen DA. The proteoglycan metabolism, morphology and viability of articular cartilage treated with a synthetic matrix metalloproteinase inhibitor. Res Exp Med (Berl). 1997;197(2):63-79. PubMed PMID: 9380952.

Seed MP, Ismaiel S, Cheung CY, Thomson TA, Gardner CR, Atkins RM, Elson CJ. Inhibition of interleukin 1 beta induced rat and human cartilage degradation in vitro by the metalloproteinase inhibitor U27391. Ann Rheum Dis. 1993 Jan;52(1):37-43. PubMed PMID: 8427512; PubMed Central PMCID: PMC1004953.

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