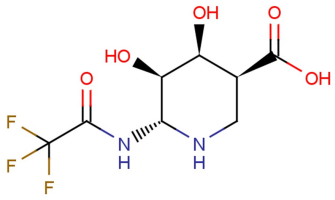
Data Sheet (Cat.No.T15470)

TargetMol
A DRUG SCREENING EXPERT

Heparastatin

Chemical Properties



CAS No.:	153758-25-9
Formula:	C8H11F3N2O5
Molecular Weight:	272.18
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Heparastatin is an inhibitor of heparanase.
Targets(IC_{50})	heparanase: None
In vitro	In an in vitro degradation assay, the addition of 100 μM of Heparastatin (SF4) completely inhibits the enzyme activity of heparanase at a concentration of 0.15 μg/mL. The addition of Heparastatin, during the transition process, does not affect the phenotypic change of TGF-β-treated cells [2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.674 mL	18.37 mL	36.74 mL
5 mM	0.735 mL	3.674 mL	7.348 mL
10 mM	0.367 mL	1.837 mL	3.674 mL
50 mM	0.073 mL	0.367 mL	0.735 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Sue M, et al. An iminosugar-based heparanase inhibitor heparastatin (SF4) suppresses infiltration of neutrophils and monocytes into inflamed dorsal air pouches. Int Immunopharmacol. 2016 Jun;35:15-21.

2. Yusuke Kogane, et al. Heparanase Downmodulation in the Process of Epithelial-to-Mesenchymal Transition of Mouse Mammary Epithelial Cells. Kogane et al., J Glycomics Lipidomics 2013, 3:1.

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