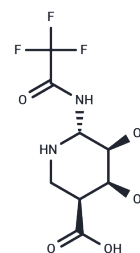


## Heparastatin

## Chemical Properties

CAS No. :	153758-25-9
Formula:	C <sub>8</sub> H <sub>11</sub> F <sub>3</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	272.18
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	Heparastatin is an inhibitor of heparanase.
Targets(IC50)	Others
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].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.674 mL	18.3702 mL	36.7404 mL
5 mM	0.7348 mL	3.674 mL	7.3481 mL
10 mM	0.3674 mL	1.837 mL	3.674 mL
50 mM	0.0735 mL	0.3674 mL	0.7348 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

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.

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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