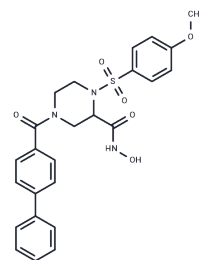


MMP-9/MMP-13 Inhibitor I

Chemical Properties

CAS No. :	204140-01-2
Formula:	C ₂₅ H ₂₅ N ₃ O ₆ S
Molecular Weight:	495.55
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	MMP-9/MMP-13 Inhibitor I is a dual inhibitor of MMP-9 and MMP-13 with IC ₅₀ of 0.9 nM for both enzymes. It is over 20 times more selective for MMP-9/MMP-13 than for other MMPs.
Targets(IC ₅₀)	MMP,Others

Solubility Information

Solubility	DMF: 30 mg/mL (60.54 mM),Sonication is recommended. DMSO: 25 mg/mL (50.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (4.04 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.018 mL	10.0898 mL	20.1796 mL
5 mM	0.4036 mL	2.018 mL	4.0359 mL
10 mM	0.2018 mL	1.009 mL	2.018 mL
50 mM	0.0404 mL	0.2018 mL	0.4036 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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