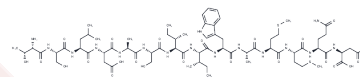


Disitertide

Chemical Properties

CAS No. :	272105-42-7
Formula:	C68H109N17O22S2
Molecular Weight:	1580.84
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Disitertide (P144) is an inhibitor of TGF-β1.
Targets(IC50)	Apoptosis,Others,PI3K,TGF-beta/Smad
In vitro	Aurora B inhibitor 1 also inhibits JAK3 and JAK2 with Kis of <0.25 μM and <0.10 μM, respectively[1].
In vivo	In the rat model of long-term exposure to CCl4, low-dose Disitertide (P144) treatment can significantly inhibit HSC activation and significantly reduce liver fibrosis.

Solubility Information

Solubility	DMSO: 200 mg/mL (126.52 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	0.6326 mL	3.1629 mL	6.3258 mL
5 mM	0.1265 mL	0.6326 mL	1.2652 mL
10 mM	0.0633 mL	0.3163 mL	0.6326 mL
50 mM	0.0127 mL	0.0633 mL	0.1265 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

Ezquerro IJ et al. A synthetic peptide from transforming growth factor beta type III receptor inhibits liver fibrogenesis in rats with carbon tetrachloride liver injury. Cytokine. 2003 Apr;22(1-2):12-20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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