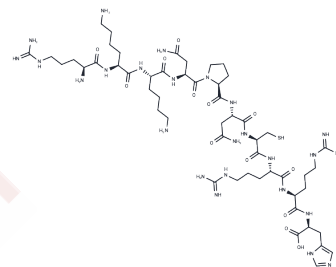


BMP-4

Chemical Properties

CAS No. :	1629625-47-3
Formula:	C52H93N25O13S
Molecular Weight:	1308.52
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	BMP-4, a heparin-binding peptide, exhibits anti-inflammatory and anti-chondrogenic properties. In murine chondrocytes and macrophages, it effectively mitigates inflammation and alleviates symptoms of various arthritides by dose-dependently suppressing the expression of inflammatory proteins such as iNOS, COX2, IFN, and IL6 through modulation of the iNOS-IFN-IL6 signaling pathway.
Targets(IC50)	COX,IFNAR,Interleukin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7642 mL	3.8211 mL	7.6422 mL
5 mM	0.1528 mL	0.7642 mL	1.5284 mL
10 mM	0.0764 mL	0.3821 mL	0.7642 mL
50 mM	0.0153 mL	0.0764 mL	0.1528 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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