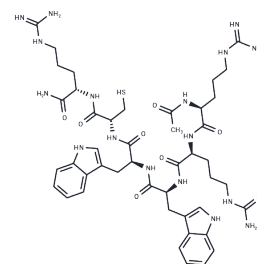


Antileukinate

Chemical Properties

CAS No. :	138559-60-1
Formula:	C45H66N18O7S
Molecular Weight:	1003.19
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	Antileukinate is a synthetic hexapeptide with an acetylated amino terminus and an amidated carboxyl terminus that inhibits the binding of CXC chemokines to the chemokine receptor CXCR2. It inhibits IL-8 binding to neutrophils ($K_i = 2.7\text{--}13 \mu\text{M}$), prevents neutrophil chemotaxis and β -glucuronidase release, and blocks IL-8-induced skin edema in rabbits. At 53 mg/kg, antileukinate has been shown to protect mice against acute pancreatitis and associated lung injury.
Targets(IC50)	CXCR

Solubility Information

Solubility	DMF: 1 mg/mL (1 mM), Sonication is recommended. PBS (pH 7.2): 2 mg/mL (1.99 mM), Sonication is recommended. DMSO: 5 mg/mL (4.98 mM), Sonication is recommended. ($< 1 \text{ mg/ml}$ refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9968 mL	4.9841 mL	9.9682 mL
5 mM	0.1994 mL	0.9968 mL	1.9936 mL
10 mM	0.0997 mL	0.4984 mL	0.9968 mL
50 mM	0.0199 mL	0.0997 mL	0.1994 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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