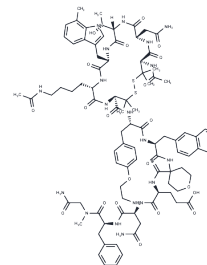


IL-23R inhibitor peptide-1

Chemical Properties

CAS No. :	2894052-23-2
Formula:	C91H121N19O22S2
Molecular Weight:	1897.18
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	IL-23R inhibitor peptide-1 is a potent peptide antagonist of Interleukin-23 receptor (reported $IC_{50} \approx 0.0069 \mu M$). It inhibits IL-23 signaling by disrupting the interaction between IL-23 and its receptor and is used in studies of autoimmune and inflammatory mechanisms.
Targets(IC_{50})	IL Receptor

Solubility Information

Solubility	H2O: 40 mg/mL (21.08 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5271 mL	2.6355 mL	5.271 mL
5 mM	0.1054 mL	0.5271 mL	1.0542 mL
10 mM	0.0527 mL	0.2635 mL	0.5271 mL
50 mM	0.0105 mL	0.0527 mL	0.1054 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

Chengzao Sun, et al. Peptide inhibitors of interleukin-23 receptor. Patent WO2023288028.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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