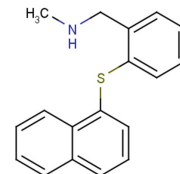


IFN alpha-IFNAR-IN-1

Chemical Properties

CAS No.:	844882-93-5
Formula:	C ₁₈ H ₁₇ NS
Molecular Weight:	279.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	IFN alpha-IFNAR-IN-1 is a nonpeptidic, low-molecular-weight inhibitor of the interaction between IFN- α and IFNAR. It inhibits MVA-induced IFN- α responses by BM-pDCs (IC ₅₀ : 2-8 μ M).
Targets(IC ₅₀)	Others: None
In vitro	IFN alpha-IFNAR-IN-1 inhibited the IFN- α responses that were elicited after treatment with CpG2216, stimulation with poly(I:C), and infection with VSV-M2, whereas the total IL-12 production was notably less affected under those conditions. IFN alpha-IFNAR interaction inhibitor IFN alpha-IFNAR-IN-1 specifically inhibits MVA-induced IFN- α responses by BM-pDCs. IFN alpha-IFNAR-IN-1 exerts immunosuppressive activity by the direct interaction with IFN- α .

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.579 mL	17.895 mL	35.791 mL
5 mM	0.716 mL	3.579 mL	7.158 mL
10 mM	0.358 mL	1.79 mL	3.579 mL
50 mM	0.072 mL	0.358 mL	0.716 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Geppert T, et al. Immunosuppressive small molecule discovered by structure-based virtual screening for inhibitors of protein-protein interactions. Angew Chem Int Ed Engl. 2012 Jan 2;51(1):258-61.

Inhibitors · Natural Compounds · Compound Libraries

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