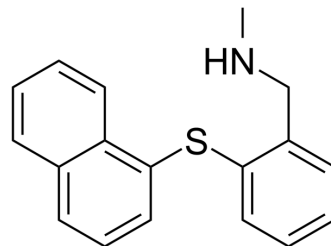


IFN alpha-IFNAR-IN-1

Cat. No.:	HY-12836
CAS No.:	844882-93-5
Molecular Formula:	C ₁₈ H ₁₇ NS
Molecular Weight:	279.4
Target:	IFNAR
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

IFN alpha-IFNAR-IN-1 is a nonpeptidic, low-molecular-weight inhibitor of the interaction between IFN- α and IFNAR; inhibit MVA-induced IFN- α responses by BM-pDCs (IC₅₀=2-8 μ M). IC₅₀ value: Target: 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 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-IN-1 exerts immunosuppressive activity by the direct interaction with IFN- α [1].

CUSTOMER VALIDATION

- Nature. 2022 Sep;609(7928):785-792.
- Arthritis Rheumatol. 2020 Jun;72(6):1003-1012.
- Cell Mol Life Sci. 2022 Jan 20;79(2):83.
- Cell Death Dis. 2020 Dec 11;11(12):1050.
- PLoS Pathog. 2022 Feb 14;18(2):e1010301.

See more customer validations on www.MedChemExpress.com

REFERENCES

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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