
Product Data Sheet

Product Name: IFN alpha-IFNAR-IN-1 (IFN-alpha and IFNAR interaction inhibitor)
Cat. No.: GC31799

Chemical Properties

Cas. No. 844882-93-5

SMILES CNCC1=CC=CC=C1SC2=C(C=CC=C3)C3=CC=C2

Formula $C_{18}H_{17}NS$ M.Wt 279.4

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure

Background

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].

[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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA