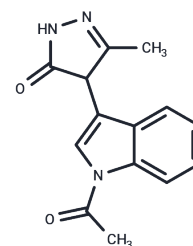


## StA-IFN-1

## Chemical Properties

CAS No. :	300839-31-0
Formula:	C <sub>14</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	255.27
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	StA-IFN-1 is an inhibitor of the interferon (IFN) induction pathway with an IC <sub>50</sub> value of 4.1 μM in a GFP reporter assay for IFN induction similar to TPCA-1, which specifically inhibits the IKKβ component of the IFN induction pathway. It does not show inhibitory activity in a GFP reporter assay for IFN signaling in which ruxolitinib, which is specific for the IFN signaling component JAK1, is active. StA-IFN-1 reduces the levels of IFN-β, but not ISG MxA, mRNA, suggesting that it is selective for the IFN induction pathway and not the IFN signaling pathway.
Targets(IC50)	Others,IFNAR

## Solubility Information

Solubility	DMSO: 5 mg/mL (19.59 mM),Sonication is recommended. DMF: 3 mg/mL (11.75 mM),Sonication is recommended. DMSO:PBS (pH 7.2) (1:10): 0.1 mg/mL (0.39 mM),Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9174 mL	19.5871 mL	39.1742 mL
5 mM	0.7835 mL	3.9174 mL	7.8348 mL
10 mM	0.3917 mL	1.9587 mL	3.9174 mL
50 mM	0.0783 mL	0.3917 mL	0.7835 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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