

## Product Data Sheet

Product Name: StA-IFN-1

Cat. No.: GC44948

### Chemical Properties

Cas. No. 300839-31-0

SMILES O=C(C)N1C=C(C2C(C)=NNC2=O)C3=CC=CC=C31

Formula C<sub>14</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>

M.Wt 255.3

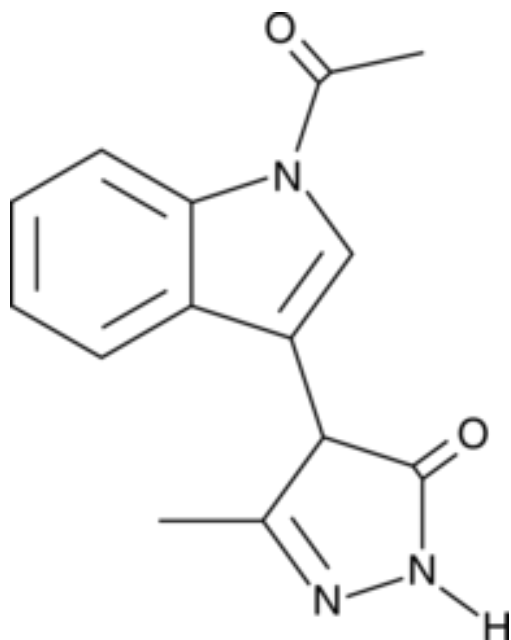
Solubility DMF: 3 mg/ml, DMSO: 5 mg/ml, DMSO:PBS (pH 7.2) (1:10): 0.1 mg/ml

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

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

**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

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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- $\beta$ , but not ISG MxA, mRNA, suggesting that it is selective for the IFN induction pathway and not the IFN signaling pathway.

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