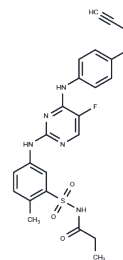


JAK-IN-11

Chemical Properties

CAS No. :	916742-11-5
Formula:	C23H22FN5O4S
Molecular Weight:	483.52
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	JAK-IN-11 (R-348) is a potent and selective inhibitor of JAK, has the potential for the skin disorders treatment.
Targets(IC50)	JAK
In vitro	JAK/STAT signaling has been implicated in the mediation of many abnormal immune responses such as allergies, asthma, autoimmune diseases such as transplant rejection, rheumatoid arthritis, amyotrophic lateral sclerosis and multiple sclerosis, ocular disorders and diseases, as well as in solid and hematologic malignancies such as leukemia and lymphomas[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (103.41 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	2.0682 mL	10.3408 mL	20.6817 mL
5 mM	0.4136 mL	2.0682 mL	4.1363 mL
10 mM	0.2068 mL	1.0341 mL	2.0682 mL
50 mM	0.0414 mL	0.2068 mL	0.4136 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.

Reference

Daniel Magilavy, et al. 2,4 substituted pyrimidinediamines for use in discoid lupus. WO2012122452A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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