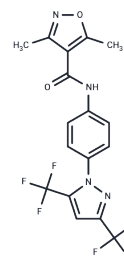


## IL-2-IN-1

## Chemical Properties

CAS No. :	245747-10-8
Formula:	C17H12F6N4O2
Molecular Weight:	418.29
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	IL-2-IN-1 is a potent inhibitor of IL-2 (IC50: 1978 nM) and demonstrates anti-proliferative effects.
Targets(IC50)	IL Receptor, Interleukin
In vitro	IL-2-IN-1 is a potent inhibitor of IL-2 synthesis, exhibiting anti-proliferative activity against human PBMC and rat PBMC with IC50 values of 340 and 1266 nM, respectively [1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (239.07 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	2.3907 mL	11.9534 mL	23.9069 mL
5 mM	0.4781 mL	2.3907 mL	4.7814 mL
10 mM	0.2391 mL	1.1953 mL	2.3907 mL
50 mM	0.0478 mL	0.2391 mL	0.4781 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

Djuric SW, et al. 3,5-Bis(trifluoromethyl)pyrazoles: a novel class of NFAT transcription factor regulator. J Med Chem. 2000 Aug 10;43(16):2975-81.

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