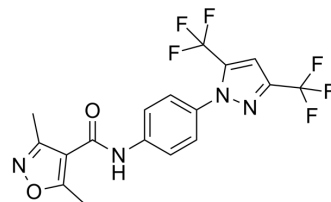


## IL-2-IN-1

Cat. No.:	HY-150051
CAS No.:	245747-10-8
Molecular Formula:	C <sub>17</sub> H <sub>12</sub> F <sub>6</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	418.29
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (298.84 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

IL-2-IN-1 is a potent IL-2 inhibitor with an IC<sub>50</sub> value of 1978 nM. IL-2-IN-1 shows antiproliferative activities<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

IL-2  
1978 nM (IC<sub>50</sub>)

#### In Vitro

IL-2-IN-1 (compound 2) shows antiproliferative activities with IC<sub>50</sub>s of 340, 1266 nM for human PBMC and rat PBMC, respectively<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. 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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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