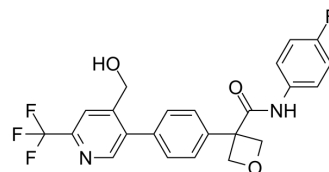


## IDO1-IN-18

<b>Cat. No.:</b>	HY-144651		
<b>CAS No.:</b>	2328099-08-5		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>18</sub> F <sub>4</sub> N <sub>2</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	446.39		
<b>Target:</b>	Indoleamine 2,3-Dioxygenase (IDO)		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 250 mg/mL (560.05 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2402 mL	11.2010 mL	22.4019 mL
	5 mM	0.4480 mL	2.2402 mL	4.4804 mL
	10 mM	0.2240 mL	1.1201 mL	2.2402 mL

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

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.08 mg/mL (4.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.08 mg/mL (4.66 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (4.66 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

IDO1-IN-18 (Compound 14) is a potent inhibitor of IDO1. IDO1-IN-18 has the potential for the research of cancer diseases<sup>[1]</sup>.

## REFERENCES

[1]. Derun Li, et al. Oxetane Promise Delivered: Discovery of Long-Acting IDO1 Inhibitors Suitable for Q3W Oral or Parenteral Dosing.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA