IDO-IN-6

Cat. No.: HY-18770A

CAS No.: 1402837-76-6

Molecular Formula: $C_{18}H_{21}FN_2O_2$

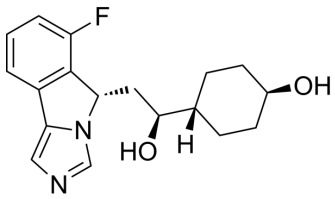
Molecular Weight: 316.37

Target: Indoleamine 2,3-Dioxygenase (IDO)

Pathway: Metabolic Enzyme/Protease

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (158.04 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.1609 mL	15.8043 mL	31.6086 mL
	5 mM	0.6322 mL	3.1609 mL	6.3217 mL
	10 mM	0.3161 mL	1.5804 mL	3.1609 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (7.90 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (7.90 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (7.90 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

IDO-IN-6 (NLG-1486) is an indoleamine 2,3-dioxygenase (IDO) inhibitor extracted from patent WO WO2012142237A1, Compound 1486, has an IC_{50} of <1 μM.

IC_{50} & Target

IDO
1 μM (IC_{50})

In Vitro

IDO-IN-6 (Compound 1486) is an indoleamine 2,3-dioxygenase (IDO) inhibitor with an IC_{50} of <1 μM (this is the concentration

of IDO-IN-6 at which inhibits 50% of enzymatic activity using recombinant human IDO)[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mautino, et al. Preparation of fused imidazole derivatives as IDO inhibitors. From PCT Int. Appl. (2012), 20121018.

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