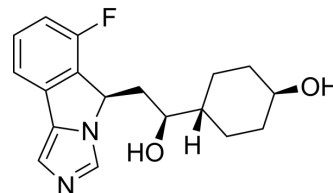


IDO-IN-8

| | | | |
|---------------------------|--|-------|---------|
| Cat. No.: | HY-18770C | | |
| CAS No.: | 1402837-77-7 | | |
| Molecular Formula: | C ₁₈ H ₂₁ FN ₂ O 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

Ethanol : 100 mg/mL (316.09 mM; Need ultrasonic)

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

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

BIOLOGICAL ACTIVITY

Description

IDO-IN-8 (NLG-1487) is an indoleamine 2,3-dioxygenase (IDO) inhibitor extracted from patent WO WO2012142237A1, compound 1487, has an IC₅₀ of 1-10 μM.

IC₅₀ & Target

IDO
1-10 μM (IC₅₀)

In Vitro

IDO-IN-8 (Compound 1487) is an indoleamine 2,3-dioxygenase (IDO) inhibitor with an IC₅₀ of 1-10 μM (this is the

concentration of IDO-IN-8 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.

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

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