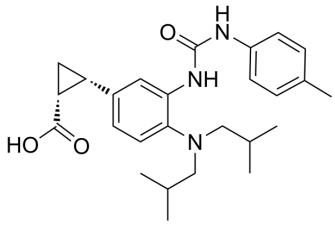
BMS-978587

Cat. No.:	HY-18769
CAS No.:	1629125-65-0
Molecular Formula:	$C_{26}H_{35}N_3O_3$
Molecular Weight:	437.57
Target:	Indoleamine 2,3-Dioxygenase (IDO)
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (228.53 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.2853 mL	11.4267 mL	22.8535 mL
5 mM	0.4571 mL	2.2853 mL	4.5707 mL
10 mM	0.2285 mL	1.1427 mL	2.2853 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 (5.71 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (5.71 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BMS-978587 (IDO-IN-4) is an indoleamine 2,3-dioxygenase 1 (IDO-1) inhibitor, extracted from patent WO2014150677A1, Compound example 1 enantiomer 1.

IC_{50} & Target

IDO-1

In Vitro

BMS-978587 (IDO-IN-4) (Compound example 1 enantiomer 1) is a IDO-1 inhibitor in human IDO1/HEK293 cells[1].

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

CUSTOMER VALIDATION

- Patent. US20190382356A1.

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REFERENCES

[1]. Balog, et al. Preparation of cycloalkylaryl amide compounds as indoleamine 2,3-dioxygenase and therapeutic uses thereof. From PCT Int. Appl. (2014), WO 2014150677 A1 20140925.

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