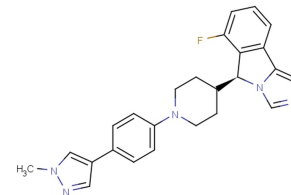


IDO/TDO-IN-1

Chemical Properties

CAS No.:	2033173-01-0
Formula:	C ₂₅ H ₂₄ FN ₅
Molecular Weight:	413.49
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	IDO/TDO-IN-1 is an orally active dual indoleamine-2,3-dioxygenase (IDO) and tryptophan 2,3-dioxygenase (TDO) inhibitor (IC ₅₀ s: 9.7 and 47 nM).
Targets(IC ₅₀)	Indoleamine-2,3-dioxygenase: 9.7 nM Tryptophan 2,3-dioxygenase: 47 nM
In vitro	In the Hela cell line, IDO/TDO-IN-1 inhibits IDO (IC ₅₀ : 76 nM).

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.418 mL	12.092 mL	24.184 mL
5 mM	0.484 mL	2.418 mL	4.837 mL
10 mM	0.242 mL	1.209 mL	2.418 mL
50 mM	0.048 mL	0.242 mL	0.484 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Tu W, et al. Discovery of Imidazoisindole Derivatives as Highly Potent and Orally Active Indoleamine-2,3-dioxygenase Inhibitors. ACS Med Chem Lett. 2019 Jun 3;10(6):949-953.

Inhibitors · Natural Compounds · Compound Libraries

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