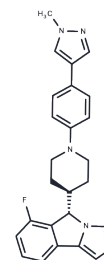


IDO/TDO-IN-1

Chemical Properties

CAS No. :	2033173-01-0
Formula:	C ₂₅ H ₂₄ FN ₅
Molecular Weight:	413.49
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



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)	Others,IDO,Indoleamine 2,3-Dioxygenase (IDO)
In vitro	in the Hela cell line,IDO/TDO-IN-1 inhibits IDO with an IC ₅₀ of 76 nM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4184 mL	12.0922 mL	24.1844 mL
5 mM	0.4837 mL	2.4184 mL	4.8369 mL
10 mM	0.2418 mL	1.2092 mL	2.4184 mL
50 mM	0.0484 mL	0.2418 mL	0.4837 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481