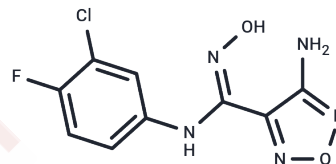


IDO5L

Chemical Properties

CAS No. :	914471-09-3
Formula:	C ₉ H ₇ ClFN ₅ O ₂
Molecular Weight:	271.64
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	IDO5L (INCBO24360 analogue) is an effective IDO1 inhibitor(IC ₅₀ =10 nM).
Targets(IC ₅₀)	IDO,Indoleamine 2,3-Dioxygenase (IDO)
In vitro	In an immunologically active mouse model, INCBO24360 effectively inhibited tumor growth. Similarly, in mice bearing GM-CSF-secreting B16 tumors, INCBO24360 (75 mg/kg b.i.d) demonstrated dose-dependent tumor growth suppression.
In vivo	INCBO24360 significantly inhibits IDO1 in HeLa cells (IC ₅₀ = 19 nM) and promotes differentiation in CD4+ T cells, CD8+ T cells, and NK cells.

Solubility Information

Solubility	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL (18.41 mM) Ethanol: 27.2 mg/mL (100.13 mM),Sonication is recommended. DMSO: 50 mg/mL (184.07 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6813 mL	18.4067 mL	36.8134 mL
5 mM	0.7363 mL	3.6813 mL	7.3627 mL
10 mM	0.3681 mL	1.8407 mL	3.6813 mL
50 mM	0.0736 mL	0.3681 mL	0.7363 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.

Reference

Yue EW, et al. J Med Chem. 2009, 52(23), 7364-7367.

Liu X, et al. Blood. 2010, 115(17), 3520-3530.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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