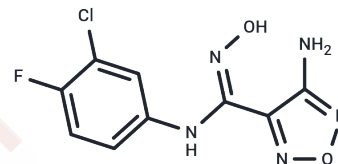


IDO5L

## Chemical Properties

CAS No. : 914471-09-3  
 Formula: C<sub>9</sub>H<sub>7</sub>ClFN<sub>5</sub>O<sub>2</sub>  
 Molecular Weight: 271.64  
 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	IDO5L (INCB024360 analogue) is an effective IDO1 inhibitor (IC <sub>50</sub> =10 nM).
Targets(IC <sub>50</sub> )	IDO, Indoleamine 2,3-Dioxygenase (IDO)
In vitro	In an immunologically active mouse model, INCB024360 effectively inhibited tumor growth. Similarly, in mice bearing GM-CSF-secreting B16 tumors, INCB024360 (75 mg/kg b.i.d) demonstrated dose-dependent tumor growth suppression.
In vivo	INCB024360 significantly inhibits IDO1 in HeLa cells (IC <sub>50</sub> = 19 nM) and promotes differentiation in CD4 <sup>+</sup> T cells, CD8 <sup>+</sup> T cells, and NK cells.

## Solubility Information

Solubility	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)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL (18.41 mM) <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	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

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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

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

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

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