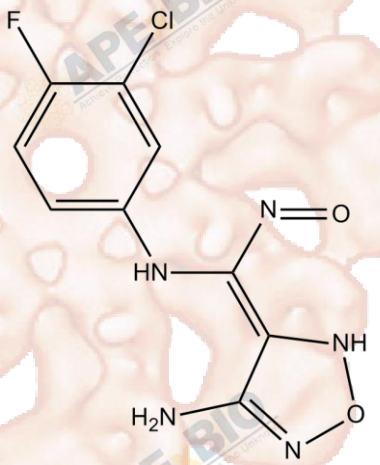
Product Data Sheet

INCB024360 analogue



Cat. No.: A3493

CAS No.: 914471-09-3

Formula: C9H7ClFN5O2

M.Wt: 271.64

Synonyms: INCB-024360;INCB 024360;INCB-24360;indoleamine-2,3-dioxygenase inhibitor INCB024360

Target: Metabolism

Pathway: IDO

Storage: Store at -20°C

Solvent & Solubility

In Vitro

≥13.55 mg/mL in DMSO

Preparing Stock Solutions

Concentration \ Mass	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

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary	potent and selective inhibitor of IDO1
IC_{50} & Target	67 nM (IDO1)

In Vitro

Cell Viability Assay

Cell Line:	Hela cells and murine B16 cells
Preparation method:	The solubility of this compound in DMSO is >10 mM. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below

		-20°C for several months.
	Reacting conditions:	19 nM (the IC50 value for Hela cells) and 46 nM (the IC50 value for murine B16 cells)
	Applications:	In Hela cells, INCB024360 analogue selectively inhibited the activity of human IDO1 with an IC50 value of 19 nM. In murine B16 cells, INCB024360 analogue inhibited IDO with an IC50 value of 46 nM.
In Vivo	**Animal experiment**	
	Animal models:	Mice bearing GM-CSF-secreting B16 tumors
	Dosage form:	25, 50 and 75 mg/kg; s.c.; b.i.d, for 14 days
	Applications:	In mice bearing GM-CSF-secreting B16 tumors, INCB024360 analogue (75 mg/kg, b.i.d.) inhibited tumor growth in a dose-dependent manner.
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Yue EW1, Douty B, Wayland B, et al. Discovery of potent competitive inhibitors of indoleamine 2,3-dioxygenase with in vivo pharmacodynamic activity and efficacy in a mouse melanoma model. J Med Chem. 2009 Dec 10;52(23):7364-7.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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