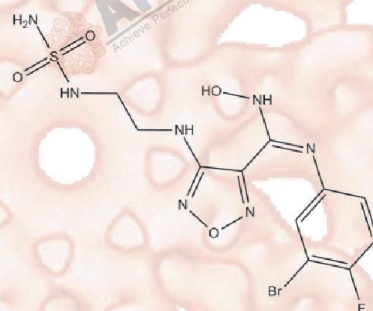


Product Data Sheet

INCB-024360 Epacadostat

Cat. No.:	B6036
CAS No.:	1204669-58-8
Formula:	C ₁₁ H ₁₃ BrFN ₇ O ₄ S
M.Wt:	438.23
Synonyms:	
Target:	Metabolism
Pathway:	IDO
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; ≥17.1 mg/mL in DMSO; ≥2.96 mg/mL in EtOH with ultrasonic

In Vitro

	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
Preparing Stock Solutions		1 mM	2.2819 mL	11.4095 mL	22.8191 mL
		5 mM	0.4564 mL	2.2819 mL	4.5638 mL
		10 mM	0.2282 mL	1.1410 mL	2.2819 mL

Please refer to the solubility information to select the appropriate solvent

Biological Activity

Shortsummary

potent and selective inhibitor of IDO1

IC₅₀ & Target

10 nM (IDO1)

In Vitro

Cell Viability Assay

Cell Line: HeLa cells and human T cells

Preparation method:

The solubility of this compound in DMSO is >15.7mg/mL. 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:

0.001~2 μM

	Applications:	IDO1 induction significantly suppressed T-cell proliferation in coculture systems, and the suppression was effectively reversed by INCB024360. IDO1 also increases IFN- γ production, and reduces conversion to regulatory T (Treg)-like cells.
In Vivo	Animal experiment	
	Animal models:	C57BL/6 mice bearing IDO1-expressing PAN02 pancreatic carcinomas
	Dosage form:	25 and 100 mg/kg, orally, twice a day for 25 days
	Applications:	The growth of tumors in syngeneic immunocompetent C57BL/6 mice was inhibited in a dose-dependent fashion.
	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. Med Chem. 2009 Dec 10;52(23):7364-7.
- [2] Liu X, Shin N, Koblisch HK, Yang G, Wang Q, Wang K, Leffert L, Hansbury MJ, Thomas B, Rupa M et al: Selective inhibition of IDO1 effectively regulates mediators of antitumor immunity. Blood. 2010 Apr 29;115(17):3520-30.

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. Short-term 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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