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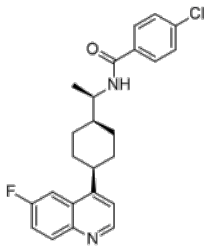
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	BMS-986242
Cat. No.	:	PC-72378
CAS No.	:	1923844-48-7
Molecular Formula	:	$C_{24}H_{24}ClFN_2O$
Molecular Weight	:	410.917
Target	:	Indoleamine 2,3-Dioxygenase (IDO)
Solubility	:	10 mM in DMSO



Biological Activity

BMS-986242 (BMS986242) is a potent, selective **IDO1** inhibitor with IC50 of 2 nM in cellular IDO1 inhibition assays and IC50 of 25 nM in human whole blood (HWB) IDO1 inhibition assays.
BMS-986242 shows activity against a variety of cancers including metastatic melanoma and renal cell carcinoma.
BMS-986242 elicited a PD effect comparable to linrodostat and epacadostat in a PD model of tumor kynurenine reduction at a lower level of exposure.
BMS-986242 is a structurally differentiated clinical candidate that performs comparably to linrodostat (BMS-986205) in terms of both in vitro potency and in vivo pharmacodynamic effect in a mouse xenograft model.

References

Cherney EC, et al. ***ACS Med Chem Lett.*** 2021 Jan 28;12(2):288-294.

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