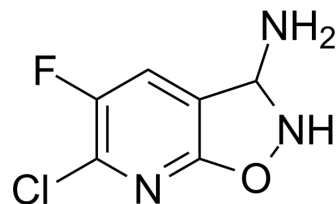


AT-0174

Cat. No.:	HY-161348
Molecular Formula:	C ₆ H ₅ ClFN ₃ O
Molecular Weight:	189.57
Target:	Indoleamine 2,3-Dioxygenase (IDO)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AT-0174 is an orally active dual inhibitor of IDO1/TDO2 (tryptophan 2,3-dioxygenase-2) with IC ₅₀ values of 0.17 and 0.25 μM, respectively. AT-0174 has antitumor activity ^{[1][2]} .
IC ₅₀ & Target	IDO1 0.17 μM (IC ₅₀)
In Vitro	AT-0174 (170 mg/kg/day, orally, for 15 days) inhibits tumor growth in non-small cell lung cancer allogeneic mice ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Crump LS, et al. Targeting tryptophan catabolism in ovarian cancer to attenuate macrophage infiltration and PD-L1 expression. *Cancer Res Commun.* 2024 Mar 7.
- [2]. Crump LS, et al. Targeting tryptophan catabolism in ovarian cancer to attenuate macrophage infiltration and PD-L1 expression. *Cancer Res Commun.* 2024 Mar 7.
- [3]. Wu C, et al. Dual inhibition of IDO1/TDO2 enhances anti-tumor immunity in platinum-resistant non-small cell lung cancer. *Cancer Metab.* 2023 May 24;11(1):7.

Caution: Product has not been fully validated for medical applications. For research use only.

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