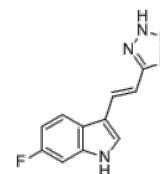


Product Name : TDO2 inhibitor LM10
Cat. No. : PC-49667
CAS No. : 1316695-35-8
Molecular Formula : C₁₁H₈FN₅
Molecular Weight : 229.22
Target : Tryptophan 2,3-Dioxygenase (TDO)
Solubility : 10 mM in DMSO



Biological Activity

LM10 is a relatively specific, competitive inhibitor of tryptophan 2,3-dioxygenase 2 (TDO2) with K_i of 5.6 μ M and IC_{50} of 0.62 μ M (hTDO), does not inhibit IDO.

LM10 (160 mg/kg/day) prevented the growth of TDO-expressing P815 tumor cells.

LM10 treatment exhibited marginal effect in inhibiting the growth of PDAC in vivo.

References

Dolusić E, et al. J Med Chem. 2011;54:5320–5334.

L. Pilotte, et al. Proc. Natl. Acad. Sci. U.S.A. 109, 2497–2502 (2012).

Chengcao Sun, et al. Sci Adv. 2023 Feb 3;9(5):eadd6995.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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