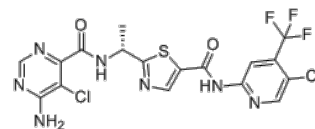


Product Name : Tovorafenib
Cat. No. : PC-73449
CAS No. : 1096708-71-2
Molecular Formula : C₁₇H₁₂Cl₂F₃N₇O₂S
Molecular Weight : 506.3
Target : Raf
Solubility : 10 mM in DMSO



Biological Activity

Tovorafenib (MLN2480, TAK-580) is potent, selective, brain-penetrant RAF dimer antagonist, inhibits MAP kinase pathway signaling in BRAF-mutant melanoma models.

MLN2480 can cross the blood–brain barrier and retard growth of BRAFV600E and KIAA1549:BRAF intracranial tumors in NCr-NU mice.

MLN2480 retarded the growth of both of both BRAFV600E and KIAA1549:BRAF-driven tumors and increased survival of the treated mice.

MLN2480 is an equipotent inhibitor of catalysis in BRAF monomers and dimers.

References

- Sun Y, et al. *Neuro Oncol.* 2017 Jun 1;19(6):774-785.
- Gampa G, et al. *J Pharmacol Exp Ther.* 2019 Mar;368(3):446-461.
- Suzuki R, et al. *Int J Hematol.* 2022 Feb;115(2):233-243.
- Samatar AA, et al. *Nat Rev Drug Discov.* 2014; 13(12):928-942.

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

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