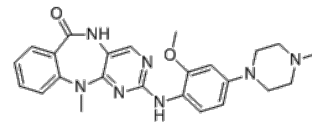


Product Name : XMD8-87
Cat. No. : PC-35146
CAS No. : 1234480-46-6
Molecular Formula : C₂₄H₂₇N₇O₂
Molecular Weight : 445.527
Target : Ack1 (TNK2)
Solubility : 10 mM in DMSO



Biological Activity

XMD8-87 (Ack1 inhibitor B19) is a potent **Ack1** inhibitor with K_d of 15 nM, inhibits EGF-induced autophosphorylation in HEK293 cells at 2 uM.

XMD8-87 completely inhibits A549 cancer cell growth, and partially inhibited EGF-stimulated cancer cell growth at 10 uM.

XMD8-87 is a potent, selective Ack1 (TNK2) inhibitor with IC₅₀ of 1.9 uM in ELISA assays.

XMD8-87 potently block proliferation of TNK2 mutant cell lines, shows IC₅₀s of 38 nM and 113 nM for the D163E and R806Q mutations.

References

Miduturu CV, et al. **Chem Biol.** 2011 Jul 29;18(7):868-79.

Mahajan K, et al. **Cancer Lett.** 2013 Sep 28;338(2):185-92.

Maxson JE, et al. **Cancer Res.** 2016 Jan 1;76(1):127-38.

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

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