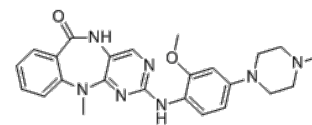


**Product Name** : XMD8-87  
**Cat. No.** : PC-35146  
**CAS No.** : 1234480-46-6  
**Molecular Formula** : C<sub>24</sub>H<sub>27</sub>N<sub>7</sub>O<sub>2</sub>  
**Molecular Weight** : 445.527  
**Target** : Ack1 (TNK2)  
**Solubility** :



### Biological Activity

XMD8-87 (Ack1 inhibitor B19) is a potent Ack1 inhibitor with K<sub>d</sub> of 15 nM, inhibits EGF-induced autophosphorylation in HEK293 cells at 2 μM; completely inhibits A549 cancer cell growth, and partially inhibited EGF-stimulated cancer cell growth at 10 μM; XMD8-87 is a potent, selective Ack1 (TNK2) inhibitor with IC<sub>50</sub> of 1.9 μM in ELISA assays; potently block proliferation of TNK2 mutant cell lines, shows IC<sub>50</sub>s 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!**

E-mail: tech@probechem.com