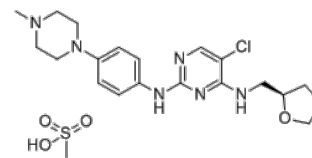


Product Name : (R)-9bMS
Cat. No. : PC-70151
CAS No. : 2255306-73-9
Molecular Formula : C₂₁H₃₁ClN₆O₄S
Molecular Weight : 499.027
Target : Ack1 (TNK2)
Solubility : 10 mM in DMSO



Biological Activity

(R)-9bMS ((R)-9b methanesulfonate) is a potent and selective **ACK1 (TNK2)** inhibitor with IC₅₀ of 48 nM. (R)-9b also inhibits JAK2 (IC₅₀=6 nM) and Tyk2 (IC₅₀=5 nM), 3-fold selectivity over ALK and 10-fold over c-Src. (R)-9b potently suppresses proliferation of human cancer cell lines with IC₅₀ <2 uM. (R)-9b exhibits considerable stability in human plasma and a long half-life.

References

Mahajan K, et al. **Cancer Cell**. 2017 Jun 12;31(6):790-803.e8.
Wu X, et al. **Oncotarget**. 2017 Jan 10;8(2):2971-2983.
Lawrence HR, et al. **J Med Chem**. 2015 Mar 26;58(6):2746-63.

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

E-mail: tech@probechem.com