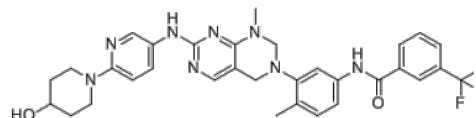


Product Name : XMU-MP-2
Cat. No. : PC-61652
CAS No. : 2031152-10-8
Molecular Formula : C₃₂H₃₃F₃N₈O₂
Molecular Weight : 618.665
Target : Breast Tumor Kinase (BRK;PTK6)
Solubility : 10 mM in DMSO



Biological Activity

XMU-MP-2 is a potent and selective **BRK/PTK6** (breast tumor kinase) inhibitor with biochemical IC₅₀ of 3.2 nM.

XMU-MP-2 inhibits the autophosphorylation of BRK Y342 in dose-dependent manner (maximum inhibition at 500 nM), abolishes phosphorylation levels of STAT3 Y705 and STAT5 Y694.

XMU-MP-2 blocks proliferation and survival of BRK-transformed Ba/F3 cells with IC₅₀ of 29.7 nM.

XMU-MP-2 cooperates strongly with HER2 inhibitor or ER blockade to block breast cancer cell proliferation in vitro and in vivo.

References

Jiang J, et al. **Cancer Res.** 2017 Jan 1;77(1):175-186.

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

E-mail: tech@probechem.com