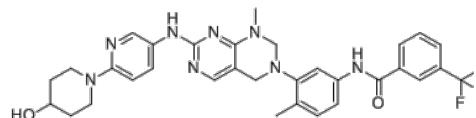


**Product Name** : XMU-MP-2  
**Cat. No.** : PC-61652  
**CAS No.** : 2031152-10-8  
**Molecular Formula** : C<sub>32</sub>H<sub>33</sub>F<sub>3</sub>N<sub>8</sub>O<sub>2</sub>  
**Molecular Weight** : 618.665  
**Target** : Breast Tumor Kinase (BRK;PTK6)  
**Solubility** : 10 mM in DMSO



## Biological Activity

XMU-MP-2 is a potent and selective **BRK/PTK6** (breast tumor kinase) inhibitor with biochemical IC<sub>50</sub> 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 IC<sub>50</sub> 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!**

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