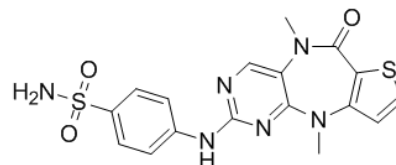


**Product Name** : XMU-MP-1  
**Cat. No.** : PC-42188  
**CAS No.** : 2061980-01-4  
**Molecular Formula** : C<sub>17</sub>H<sub>16</sub>N<sub>6</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 416.4773  
**Target** : Hippo  
**Solubility** : DMSO: ≥ 30 mg/mL



### Biological Activity

XMU-MP-1 is a potent, selective, and ATP-competitive inhibitor of the mammalian Hippo orthologs, Sterile 20-like kinases **MST1** and **MST2** with IC<sub>50</sub> of 71.1 nM and 38.1 nM, respectively.

XMU-MP-1 has a selectivity score of 0.05 against a panel of 468 diverse kinases; inhibits phosphorylation of MOB1 in a dose-dependent manner.

XMU-MP-1 activates the downstream effector Yes-associated protein (YAP) and promotes cell growth.

XMU-MP-1 attenuates acetaminophen-induced liver injury, promotes liver repair and regeneration in mice.

XMU-MP-1 is a valuable chemical probe to study the Hippo signaling pathway

### References

Fan F, et al. *Sci Transl Med*. 2016 Aug 17;8(352):352ra108.

Liu Z, et al. *Adv Mater*. 2017 Oct 11. doi: 10.1002/adma.201703393.

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

E-mail: tech@probechem.com