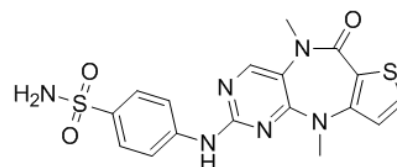


Product Name : XMU-MP-1
Cat. No. : PC-42188
CAS No. : 2061980-01-4
Molecular Formula : C₁₇H₁₆N₆O₃S₂
Molecular Weight : 416.4773
Target : Hippo
Solubility : DMSO: ≥ 30 mg/mL



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 IC₅₀ 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!

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