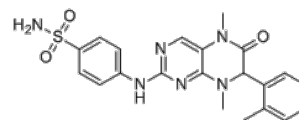


Product Name : IHMT-MST1-58
Cat. No. : PC-49294
CAS No. : 2414484-25-4
Molecular Formula : C₂₁H₂₂N₆O₃S
Molecular Weight : 438.506
Target : Hippo
Solubility : 10 mM in DMSO



Biological Activity

IHMT-MST1-58 is a potent, selective inhibitor of STE20-like protein 1 kinase (**MST1**) with IC₅₀ value of 23 nM.

IHMT-MST1-58 inhibited the phosphorylation of MST1-protected β cells from the damage of inflammatory cytokines in vitro.

IHMT-MST1-58 displayed acceptable pharmacokinetic properties in different species.

Both monotherapy of IHMT-MST1-58 and in combination with metformin led to the decline of fasting blood glucose and showed protective effect of β cells in the STZ-induced T1D/T2D mouse models.

IHMT-MST1-58 and metformin decreased the hemoglobin A1c level.

References

Wu Y, et al. *J Med Chem*. 2022 Aug 29. doi: 10.1021/acs.jmedchem.2c00926.

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

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