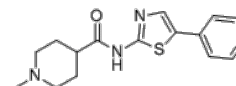


Product Name : DS12881479
Cat. No. : PC-72232
CAS No. : 2373065-59-7
Molecular Formula : C₁₆H₁₉N₃OS
Molecular Weight : 301.408
Target : MNK
Solubility : 10 mM in DMSO



Biological Activity

DS12881479 (DS 12881479) is a novel potent, selective inhibitor of **MAPK-interacting kinase 1 (Mnk1)** with IC₅₀ of 21 nM, stabilizes the autoinhibited state of Mnk1.

DS12881479 exhibits its potent inhibitory activity mainly by interacting with inactive Mnk1 (active Mnk1 IC₅₀=416 nM). DS12881479 has good selectivity for Mnk1 against a panel 48 active kinase, only two kinases, FLT3 and DYRK1a (>50% inhibition at 5 μM).

References

Yumi Matsui, et al. *Acta Crystallogr F Struct Biol Commun.* 2018 Mar 1;74(Pt 3):156-160.

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

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