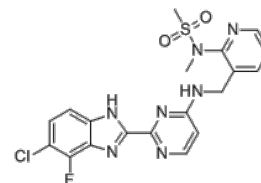


Product Name : MSC-1186
Cat. No. : PC-49773
CAS No. : 2871698-23-4
Molecular Formula : C₁₉H₁₇ClFN₇O₂S
Molecular Weight : 461.90
Target : SRPK
Solubility : 10 mM in DMSO



Biological Activity

MSC-1186 (MSC2711186) is a potent, highly selective pan-**SRPK** inhibitor with I₅₀ of 2.7 nM, 81 nM and 0.6 nM against SRPK1, SRPK2 and SRPK3, respectively.

MSC-1186 exhibits highly potent cellular activity for SRPK1 and SRPK3 in HEK293T cells with EC₅₀ values of 98 nM and 40 nM, respectively.

MSC-1186 displays excellent kinome-wide selectivity.

The combination of MSC-1186 with CDC2-like kinase (CLK) inhibitors showed additive attenuation of SR-protein phosphorylation compared to the single agents.

References

Martin Schröder, et al. *J Med Chem.* 2023 Jan 12;66(1):837-854.

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

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