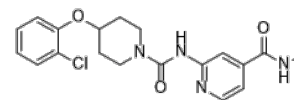


Product Name : SSI-4
Cat. No. : PC-23303
CAS No. : 1875084-68-6
Molecular Formula : C₁₉H₂₁ClN₄O₃
Molecular Weight : 388.85
Target : Stearoyl-CoA Desaturase (SCD)
Solubility : 10 mM in DMSO



CAS: 1875084-68-6

Biological Activity

SSI-4 is a highly potent, selective inhibitor of lipogenic enzyme stearoyl-CoA desaturase 1 (SCD1) with IC₅₀ of 1.9 nM in in vitro enzymatic inhibition assays.

SSI-4 displays excellent selectivity against 468 known kinases, with only 1 kinase (CDKL2) at concentration of 100 nM for binding.

SSI-4 impaired tumor cell proliferation in 15/19 different tumor cell lines representing a broad spectrum of cancers, while normal cells remained unaffected.

Oral administration of SSI-4 resulted in growth inhibition of A498 ccRCC tumors, also reduced pulmonary metastasis formation of ACHN ccRCC.

References

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Ma MKF, et al. J Hepatol. 2017 Nov;67(5):979-990.

von Roemeling CA, et al. Oncotarget. 2017 Oct 6;9(1):3-20.

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

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