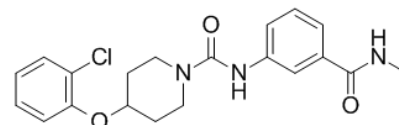


Product Name : A-939572
Cat. No. : PC-45850
CAS No. : 1032229-33-6
Molecular Formula : C₂₀H₂₂ClN₃O₃
Molecular Weight : 387.86
Target : Stearoyl-CoA Desaturase (SCD)
Solubility : DMSO: ≥ 56 mg/mL



Biological Activity

A-939572 is a potent, specific and orally bioavailable **SCD1** inhibitor with IC₅₀ of <4 nM and 37 nM for rSCD1 and hSCD1, respectively; shows excellent selectivity and no significant hERG channel blockade activity (IC₅₀>100 μM); prevents the diet-induced reduction of hepatic FAAH activity, normalizes hepatic AEA levels, and improves insulin sensitivity in HFD-fed mice; synergistically inhibits tumor growth in vitro and in vivo in combination with temsirolimus.

References

- Xin Z, et al. Bioorg Med Chem Lett. 2008 Aug 1;18(15):4298-302.
von Roemeling CA, et al. Clin Cancer Res. 2013 May 1;19(9):2368-80.
Liu J, et al. Proc Natl Acad Sci U S A. 2013 Nov 19;110(47):18832-7.

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

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