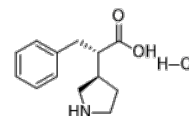


Product Name : LSN3353871
Cat. No. : PC-24907
CAS No. : 2565657-20-5
Molecular Formula : C₁₃H₁₈ClNO₂
Molecular Weight : 255.74
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2565657-20-5

Biological Activity

LSN3353871 is a potent small-molecule apolipoprotein(a) (apo(a)) binder and inhibitor of Lipoprotein(a) (Lp(a)) formation, disrupts the formation of Lp(a) with IC₅₀ of 1.69 μ M in in vitro Lp(a) assembly assays.

LSN3353871 binds to KIV8, KIV7-8 and KIV5-8 with K_d values of 756 nM, 605 nM and 423 nM, respectively.

Oral administration of LSN3353871 to mice expressing human Lp(a) resulted in dose-dependent increases in the circulating levels of LSN3353871 and dose-dependent decreases of up to 78% in the levels of Lp(a), with a median effective dose (ED₅₀) of 14 mg/kg twice daily (BID) within five days of dosing.

LSN3353871 (20 mg/kg, BID for two weeks) resulted in a decrease of up to 40% in the levels of Lp(a) in cynomolgus monkeys.

References

Nuria Diaz, et al. Nature. 2024 May;629(8013):945-950.

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

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