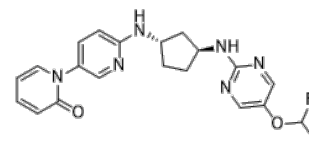


Product Name : AZD0780
Cat. No. : PC-24525
CAS No. : 2455427-91-3
Molecular Formula : C₂₀H₂₀F₂N₆O₂
Molecular Weight : 414.42
Target : PCSK9
Solubility : 10 mM in DMSO



CAS: 2455427-91-3

Biological Activity

AZD0780 (AZD-0780) is a potent, orally bioavailable inhibitor of proprotein convertase subtilisin/kexin type 9 (PCSK9) with K_d of <200 nM, binds to a novel pocket in the PCSK9 C-terminal domain and does not affect the PCSK9-LDL receptor (LDLR) interaction.

AZD0780 inhibits lysosomal trafficking of PCSK9-LDLR complexes and prevents PCSK9-induced LDLR degradation. AZD0780 demonstrated robust, dose-dependent reductions in LDL-C with a favorable safety and tolerability profile supporting further development of this once daily, oral treatment in clinical investigations.

References

Koren MJ, et al. J Am Coll Cardiol. 2025 Mar 27:S0735-1097(25)05907-8.

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

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