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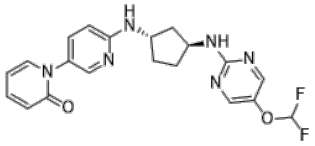
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	AZD0780
Cat. No.	:	PC-24525
CAS No.	:	2455427-91-3
Molecular Formula	:	$C_{20}H_{20}F_2N_6O_2$
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 Kd 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 PSCK9-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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