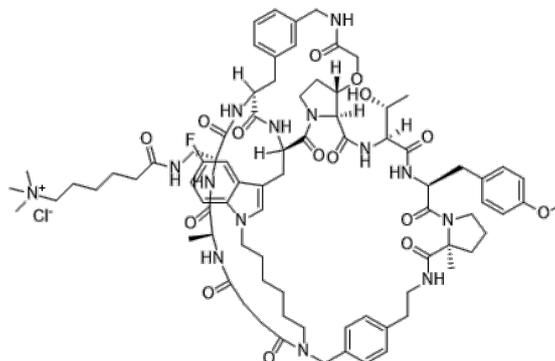


Product Name : Enlicitide
Cat. No. : PC-26304
CAS No. : 2407527-16-4
Molecular Formula : C₈₂H₁₁₀ClFN₁₄O₁₅
Molecular Weight : 1586.29
Target : PCSK9
Solubility : 10 mM in DMSO



Biological Activity

Enlicitide (MK-0616) is a highly potent, orally bioavailable macrocyclic peptide inhibitor of proprotein convertase subtilisin/kexin type 9 (PCSK9) with K_i of 5 pM, binds to the LDLR binding domain of PCSK9.

Enlicitide (MK-0616) inhibits PCSK9 with an IC_{50} 2.5 nM in human plasma.

Enlicitide (MK-0616) has no observed off-target activity at 10 μ M in 122 receptor, ion channel, enzyme radioligand binding, and cellular assays in the Eurofins Cerep Panlabs screening panel.

Enlicitide (MK-0616) is not only able to reduce LDL-cholesterol, non-HDL-cholesterol, and apoB, but can also lower Lp(a).

References

Li H, et al. J Am Chem Soc. 2025 Apr 2;147(13):11036-11048.

Johns DG, et al. Circulation. 2023 Jul 11;148(2):144-158.

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

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