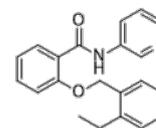


Product Name : SMS2 inhibitor Ly93
Cat. No. : PC-24450
CAS No. : 1883528-69-5
Molecular Formula : C₂₁H₂₀N₂O₂
Molecular Weight : 332.40
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

SMS2 inhibitor Ly93 is a potent, selective, orally efficacious sphingomyelin synthase 2 (SMS2) inhibitor with IC₅₀ of 91 nM, >1000-fold selective over SMS1, demonstrates anti-atherosclerotic activities in vivo.

Ly93 not only dose-dependently diminished apoB secretion from Huh7 cells, but also significantly reduced the SMS activity and increased cholesterol efflux from macrophages.

Ly93 significantly decreased the plasma SM levels of C57BL/6J mice.

Ly93 capable of dose-dependently attenuating the atherosclerotic lesions in the root and the entire aorta as well as macrophage content in lesions.

References

Yali Li, et al. Eur J Med Chem. 2019 Feb 1:163:864-882.

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

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