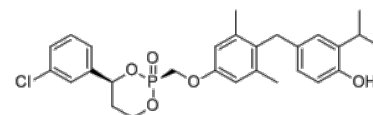


Product Name : VK2809
Cat. No. : PC-38030
CAS No. : 852948-13-1
Molecular Formula : C₂₈H₃₂ClO₅P
Molecular Weight : 514.983
Target : Thyroid Hormone Receptor (THR)
Solubility : 10 mM in DMSO



Biological Activity

VK2809 (MB07811) is a potent, liver-specific **thyroid hormone receptor β (THR β)** agonist for development for the treatment of hypercholesterolemia.

VK2809 decreases hepatic triglyceride levels in GSD Ia mice through its simultaneous restoration of autophagy, mitochondrial biogenesis, and β -oxidation of fatty acids.

VK2809 (MB07811) is converted to MB07344 in liver microsomes.

VK2809 showed potent lipid lowering activity in the CFR (ED(50) 0.4 mg/kg, po) and good oral bioavailability (40%, rat).

References

Zhou J, et al. *Thyroid*. 2019 Aug;29(8):1158-1167.

Fujitaki JM, et al. *Drug Metab Dispos*. 2008 Nov;36(11):2393-403.

Boyer SH, et al. *J Med Chem*. 2008 Nov 27;51(22):7075-93.

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

E-mail: tech@probechem.com