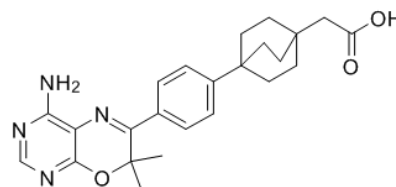


Product Name : DGAT1-IN-4
Cat. No. : PC-45835
CAS No. : 942999-61-3
Molecular Formula : C₂₄H₂₈N₄O₃
Molecular Weight : 420.5041
Target : Diglyceride Acyltransferase (DGAT)
Solubility : 10 mM in DMSO



Biological Activity

DGAT1-IN-4 is a potent, selective, and orally efficacious inhibitor of **DGAT-1** with IC₅₀ of 15 nM and 9 nM for hDGAT-1 and mDGAT-1, respectively.

DGAT1-IN-4 shows no significant activity for ACAT-1 (IC₅₀=5.2 uM).

DGAT1-IN-4 shows effectivity in both intestinal and adipose tissue, reduces body weight or body weight gain following oral administration in both mouse and rat models of dietary-induced obesity.

References

Birch AM, et al. *J Med Chem*. 2009 Mar 26;52(6):1558-68.

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

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