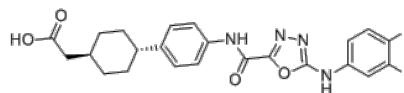


Product Name : AZD3988
Cat. No. : PC-20385
CAS No. : 892489-52-0
Molecular Formula : C₂₃H₂₂F₂N₄O₄
Molecular Weight : 456.45
Target : Diglyceride Acyltransferase (DGAT)
Solubility : 10 mM in DMSO



Biological Activity

AZD3988 (AZD-3988) is a potent, selective **DGAT-1** inhibitor with IC₅₀ of 0.6/0.5/1.1 nM for human/mouse/rat DGAT-1, does not inhibit DGAT-2 at 10 μM.

AZD3988 potently inhibits triacylglycerol synthesis in HuTu 80 cells with IC₅₀ of 0.5 nM, has IC₅₀ of 0.3 nM in the rat adipose TAG synthesis assay.

AZD3988 (20 mg/kg, p.o. bid) reduced in diet-induced obesity (DIO) model.

References

McCoull W, et al. *Bioorg Med Chem Lett*. 2012 Jun 15;22(12):3873-8.

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

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