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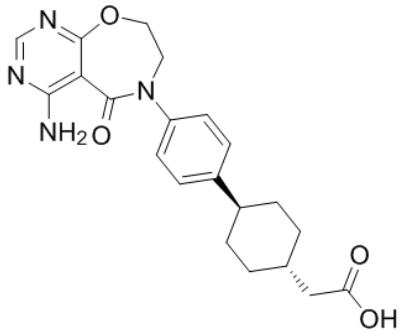
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	PF-04620110
Cat. No.	:	PC-43318
CAS No.	:	1109276-89-2
Molecular Formula	:	$C_{21}H_{24}N_4O_4$
Molecular Weight	:	396.4397
Target	:	Diglyceride Acyltransferase (DGAT)
Solubility	:	10 mM in DMSO



Biological Activity

PF-04620110 is a potent, selective, orally bioavailable DGAT-1 inhibitor with IC50 of 19 nM, shows no acitivity for DGAT-2 (IC50>30 uM); shows high selectivity versus a broad panel of off-target pharmacologic end points; inhibits triglyceride synthesis of 3 in the intestinal-derived HT-29 cell line with IC50 of 8 nM; demonstrates in vivo DGAT-1 inhibitionthrough reduction of plasma triglyceride levels in rodent, alters the temporal and spatial pattern of dietary lipid absorption in vivo.
Diabetes
Phase 1 Discontinued

References

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Maciejewski BS, et al. Am J Physiol Gastrointest Liver Physiol. 2013 Jun 1;304(11):G958-69.

Maciejewski BS, et al. World J Gastrointest Pathophysiol. 2017 Nov 15;8(4):161-175.

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