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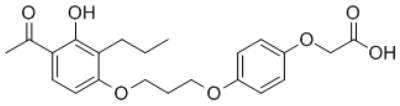
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	L-165041
Cat. No.	:	PC-45781
CAS No.	:	79558-09-1
Molecular Formula	:	$C_{22}H_{26}O_7$
Molecular Weight	:	402.4377
Target	:	PPAR
Solubility	:	10 mM in DMSO



Biological Activity

L-165041 (L165041) is a selective **PPARδ** agonist with Ki of 6 nM, >120 fold selectivity over PPARγ.
L-165041 inhibits cytokine-induced nuclear translocation of NF-kappaB and expression of VCAM-1 in EAhy926 endothelial cells.
L-165041 inhibits rat VSMC proliferation in a dose dependent manner by blocking G(1) to S phase progression and repressing the phosphorylation of Rb, also inhibits PDGF-induced expression of cyclin D1 and CDK4.
L-165041 significantly lowers plasma cholesterol without major changes in very low or low density lipoproteins in db/db mice.

References

Leibowitz MD, et al. ***FEBS Lett***. 2000 May 19;473(3):333-6.

Rival Y, et al. ***Eur J Pharmacol***. 2002 Jan 25;435(2-3):143-51.

Lim HJ, et al. ***Atherosclerosis***. 2009 Feb;202(2):446-54.

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