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DATASHEET

Torcetrapib

Product overview

Name	Torcetrapib
Cat No	HB0879
Biological action	Inhibitor
Purity	>99%
Description	Cholesteryl ester transfer protein inhibitor

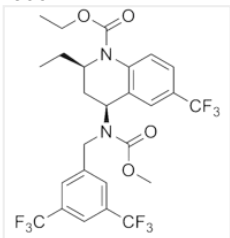
Biological Data

Biological description	Cholesteryl ester transfer protein (CETP) inhibitor. Raises HDL in dyslipidemia, improves glucose homeostasis and insulin resistance. Inhibits vasodilation and increases aldosterone to show hypertensive actions.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (50mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(2 <i>R</i> ,4 <i>S</i>)-4-[[[3,5-bis(trifluoromethyl)phenyl]methyl](methoxycarbonyl)amino]-2-ethyl-6-(trifluoromethyl)-1,2,3,4-tetrahydroquinoline-1-carboxylic acid ethyl ester
Molecular Weight	600.47
Chemical structure	
Molecular Formula	C ₂₆ H ₂₅ F ₉ N ₂ O ₄
CAS Number	262352-17-0
PubChem identifier	159325
SMILES	<chem>CC[C@H]2N(C(=O)OCC)C1=CC=C(C(F)(F)F)C=C1[C@@H](N(CC3=CC(C(F)(F)F)=CC(C(F)(F)F)=C3)C(=O)OCC)C2</chem>
InChIKey	CMSGWTNRGKRWGS-NQIIRXRSSA-N

References

Torcetrapib produces endothelial dysfunction independent of cholesteryl ester transfer protein inhibition.

Connelly MA *et al* (2010) J Cardiovasc Pharmacol 55(5)

PubMedID

20051879

Raising HDL with CETP inhibitor torcetrapib improves glucose homeostasis in dyslipidemic and insulin resistant hamsters.

Briand F *et al* (2014) *Atherosclerosis* 233(2)

PubMedID

24530763

Upregulating reverse cholesterol transport with cholesteryl ester transfer protein inhibition requires combination with the LDL-lowering drug berberine in dyslipidemic hamsters.

Briand F *et al* (2013) *Arterioscler Thromb Vasc Biol* 33(1)

PubMedID

23139291
