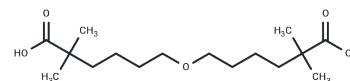


Gemcabene

Chemical Properties

CAS No. :	183293-82-5
Formula:	C ₁₆ H ₃₀ O ₅
Molecular Weight:	302.41
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Gemcabene (PD-72953) is a lipid-lowering agent with anti-inflammatory activity. Gemcabene lowers low-density lipoprotein cholesterol and triglycerides, raises high-density lipoprotein cholesterol, and decreases pro-inflammatory acute-phase protein, C-reactive protei
Targets(IC50)	Others
In vitro	Gemcabene significantly downregulates hepatic mRNA markers of inflammation including TNF- α , MCP-1, MIP-1 β , CCR5, CCR2, NF- κ B, lipogenesis, fibrosis including TIMP-1 and MMP-2, and lipid modulation including ApoC-III, ACC1, ADH-4 and Sulf-2[2].

Solubility Information

Solubility	DMSO: 95 mg/mL (314.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3068 mL	16.5338 mL	33.0677 mL
5 mM	0.6614 mL	3.3068 mL	6.6135 mL
10 mM	0.3307 mL	1.6534 mL	3.3068 mL
50 mM	0.0661 mL	0.3307 mL	0.6614 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Srivastava RAK, et al. Gemcabene, a First-in-Class Hypolipidemic Small Molecule in Clinical Development, Attenuates Osteoarthritis and Pain in Animal Models of Arthritis and Pain. Front Pharmacol. 2018 May 11;9:471.

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