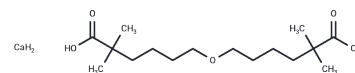


Gemcabene calcium

Chemical Properties

CAS No. :	209789-08-2
Formula:	C ₁₆ H ₃₂ CaO ₅
Molecular Weight:	344.505
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Gemcabene calcium , a first-in-class lipid-lowering agent, lowers low-density lipoprotein cholesterol (LDL-C), decreases triglycerides, and raises high-density lipoprotein cholesterol (HDL-C) and exerts anti-inflammatory activity, lowers pro-inflammatory acute-phase protein, C-reactive protein (CRP).
Targets(IC50)	Others
In vitro	Gemcabene calcium (PD-72953 calcium) effectively reduces hepatic mRNA levels associated with inflammation (TNF- α , MCP-1, MIP-1 β , CCR5, CCR2, NF- κ B), fibrosis (TIMP-1, MMP-2), and processes related to fat production and regulation (ApoC-III, ACC1, ADH-4, Sulf-2).

Solubility Information

Solubility	H ₂ O: 10 mg/mL (29.37 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	2.9027 mL	14.5134 mL	29.0267 mL
5 mM	0.5805 mL	2.9027 mL	5.8053 mL
10 mM	0.2903 mL	1.4513 mL	2.9027 mL
50 mM	0.0581 mL	0.2903 mL	0.5805 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

Mandema JW, et al. Model-based development of gemcabene, a new lipid-altering agent. AAPS J. 2005 Oct 7;7(3): E513-22.

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