

Product Data Sheet

Product Name: Gemcabene calcium

Cat. No.: GC36129

Chemical Properties

Cas. No. 209789-08-2

SMILES O=C([O-])C(C)(C)CCCCOCCCCC(C)(C([O-])=O)C.[Ca+2]

Formula $C_{16}H_{28}CaO_5$ M.Wt 340.47

Solubility Water: 10 mg/mL (29.37 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

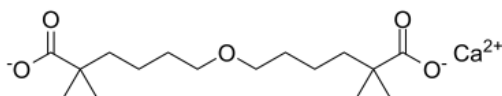
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Gemcabene calcium (PD-72953 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 lowers pro-inflammatory acute-phase protein, C-reactive protein (CRP), exerting anti-inflammatory activity[1][2][3].

Gemcabene calcium (PD-72953 calcium) significantly downregulates hepatic mRNA markers of inflammation (TNF- α , MCP-1, MIP-1 β , CCR5, CCR2, NF- κ B), lipogenesis and lipid modulation (ApoC-III, ACC1, ADH-4, Sulf-2), and fibrosis (TIMP-1 and MMP-2)[3].

[1]. Mandema JW, et al. Model-based development of gemcabene, a new lipid-altering agent. AAPS J. 2005 Oct 7;7(3):E513-22. [2]. 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. [3]. Oniciu DC, et al. Gemcabene

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downregulates inflammatory, lipid-altering and cell-signaling genes in the STAM™ model of NASH.
PLoS One. 2018 May 30;13(5):e0194568.

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