

(RS)-Eflucimibe

Chemical Properties

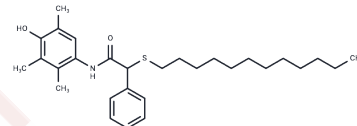
CAS No. : 191791-65-8

Formula: C₂₉H₄₃NO₂S

Molecular Weight: 469.72

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Eflucimibe is an ACAT inhibitor. Eflucimibe regulates endogenous hypercholesterolemia in a synergistic manner in New Zealand rabbits fed a casein-enriched diet. In vivo, orally administered Eflucimibe displayed high potency and efficacy as an antihypercholesterolemic compound in different cholesterol-fed animals (guinea-pig, rat, rabbit).
Targets(IC50)	Others, Acyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1289 mL	10.6446 mL	21.2893 mL
5 mM	0.4258 mL	2.1289 mL	4.2579 mL
10 mM	0.2129 mL	1.0645 mL	2.1289 mL
50 mM	0.0426 mL	0.2129 mL	0.4258 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhang XF, O'Shea H, Kehoe S, Boyd D. Time-dependent evaluation of mechanical properties and in vitro cytocompatibility of experimental composite-based nerve guidance conduits. *J Mech Behav Biomed Mater.* 2011 Oct;4(7):1266-74. doi: 10.1016/j.jmbbm.2011.04.013. PubMed PMID: 21783135.

López-Farré AJ, Sacristán D, Zamorano-León JJ, San-Martín N, Macaya C. Inhibition of acyl-CoA cholesterol acyltransferase by F12511 (Eflucimibe): could it be a new antiatherosclerotic therapeutic? *Cardiovasc Ther.* 2008 Spring;26(1):65-74. doi: 10.1111/j.1527-3466.2007.00030.x. Review. PubMed PMID: 18466422.

Zamorano-León JJ, Fernández-Sánchez R, López Farré AJ, Lapuente-Tiana L, Alonso-Orgaz S, Sacristán D, Junquera D, Delhon A, Conesa A, Mateos-Cáceres PJ, Macaya C. Direct effect of F12511, a systemic inhibitor of Acyl-CoA cholesterol acyltransferase on bovine aortic endothelial cells. *J Cardiovasc Pharmacol.* 2006 Sep;48(3):128-34. PubMed PMID: 17031267.

Teychene S, Autret JM, Biscans B. Determination of solubility profiles of eflucimibe polymorphs: experimental and modeling. *J Pharm Sci.* 2006 Apr;95(4):871-82. PubMed PMID: 16489606.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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