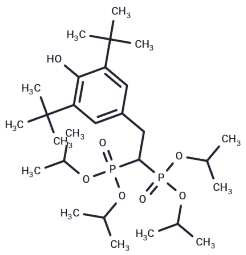
Data Sheet (Cat.No.T26644)

TargetMol

Apomine

Chemical Properties



CAS No. : 126411-13-0

Formula: C28H52O7P2

Molecular Weight: 562.66

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	Apomine (SR-9223i), an inhibitor of HMG-CoA-reductase, promotes apoptosis of myeloma cells in vitro and has been implicated in the regulation of myeloma in vivo. Apomine accelerates the degradation of 3-hydroxy-3-methylglutaryl-CoA reductase and stimulates low-density lipoprotein receptor activity. Apomine enhances the antitumor effect of lovastatin on myeloma cells by downregulating 3-hydroxy-3-methylglutaryl-CoA reductase.
Targets(IC50)	Apoptosis,HMG-CoA Reductase

Solubility Information

Solubility	DMSO: 15 mg/mL (26.66 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1.5 mg/mL (2.67 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7773 mL	8.8864 mL	17.7727 mL
5 mM	0.3555 mL	1.7773 mL	3.5545 mL
10 mM	0.1777 mL	0.8886 mL	1.7773 mL
50 mM	0.0355 mL	0.1777 mL	0.3555 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

Moriceau G, Roelofs AJ, Brion R, Redini F, Ebetion FH, Rogers MJ, Heymann D. Synergistic inhibitory effect of apomine and lovastatin on osteosarcoma cell growth. Cancer. 2012 Feb 1;118(3):750-60.
Roelofs AJ, Edwards CM, Russell RG, Ebetino FH, Rogers MJ, Hulley PA. Apomine enhances the antitumor effects of lovastatin on myeloma cells by down-regulating 3-hydroxy-3-methylglutaryl-coenzyme A reductase. J Pharmacol Exp Ther. 2007 Jul;322(1):228-35.
Kuehl PJ, Stratton SP, Powell MB, Myrdal PB. Preformulation, formulation, and in vivo efficacy of topically applied apomine. Int J Pharm. 2009 Dec 1;382(1-2):104-10. doi: 10.1016/j.ijpharm.2009.08.016. PubMed PMID: 19699284; PubMed Central PMCID: PMC2783960.
Kuehl PJ, Stratton SP, Powell MB, Myrdal PB. Preformulation, formulation, and in vivo efficacy of topically applied apomine. Int J Pharm. 2009 Dec 1;382(1-2):104-10.