

Product datasheet

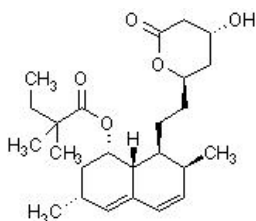
Simvastatin, HMG-CoA reductase inhibitor ab120505

[5 References](#) [1 Image](#)

Overview

Product name	Simvastatin, HMG-CoA reductase inhibitor
Description	HMG-CoA reductase inhibitor
Biological description	HMG-CoA reductase inhibitor. Hypolipidemic, decreasing low density lipoprotein (LDL) levels. Implicated in a multitude of biological functions, demonstrating anticancer and anti-inflammatory properties.
CAS Number	79902-63-9

Chemical structure

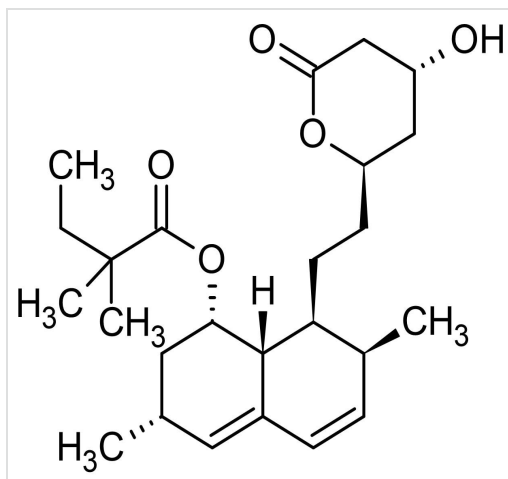


Properties

Chemical name	(1 <i>S</i> ,3 <i>R</i> ,7 <i>S</i> ,8 <i>S</i> ,8 <i>aR</i>)-1,2,3,7,8,8 <i>a</i> -Hexahydro-3,7-dimethyl-8-[2-[(2 <i>R</i> ,4 <i>R</i>)-tetrahydro-4-hydroxy-6-oxo-2 <i>H</i> -pyran-2-yl]ethyl]-1-naphthalenyl-2,2-dimethyl butanoate
Molecular weight	418.57
Molecular formula	C ₂₅ H ₃₈ O ₅
PubChem identifier	54454
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM and in ethanol to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>

SMILESCC(C)(CC)C(=O)O[C@H]2C[C@@H](C)C=C3C=C[C@H](C)[C@H](CC[C@@H]1C[C@@H](O)CC(=O)O1)[C@@H]23**Source**

Synthetic

Images

2D chemical structure image of ab120505, Simvastatin, HMG-CoA reductase inhibitor

Chemical Structure - Simvastatin, HMG-CoA reductase inhibitor (ab120505)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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