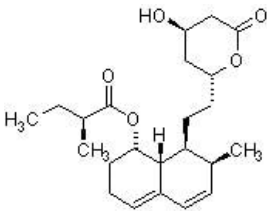


Product datasheet

Mevastatin, HMG-CoA reductase inhibitor ab120652

[4 References](#) [2 Images](#)

Overview

Product name	Mevastatin, HMG-CoA reductase inhibitor
Description	Potent HMG-CoA reductase inhibitor
Biological description	Potent HMG-CoA reductase inhibitor. Proapoptotic, able to arrest cells in G ₁ by down-regulation of CDK4, CDK6 and cyclin D1 and up-regulation of p21 and p27.
Purity	> 98%
CAS Number	73573-88-3
Chemical structure	

Properties

Chemical name	(2 <i>S</i>)-2-Methyl-(1 <i>S</i> ,7 <i>S</i> ,8 <i>S</i> ,8 <i>aR</i>)-1,2,3,7,8,8 <i>a</i> -hexahydro-7-methyl-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 butanoate
Molecular weight	390.52
Molecular formula	C ₂₃ H ₃₄ O ₅
PubChem identifier	64715
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol to 10 mM and DMSO 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</p>

[questions \(FAQ\) page](#) for more details.

Source

Synthetic

Applications

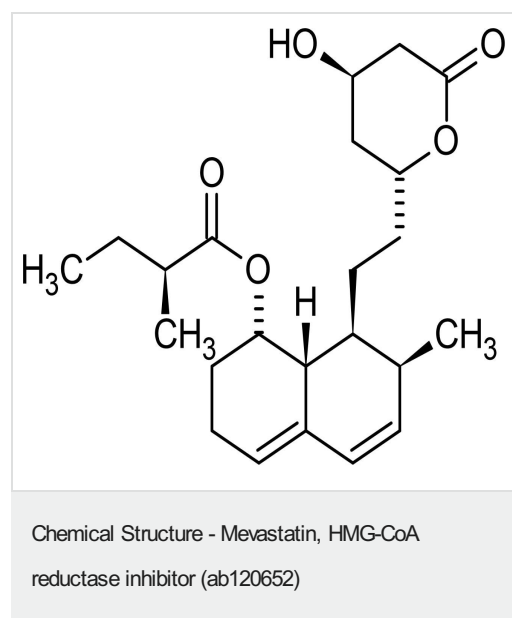
The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab120652 in the following tested applications.

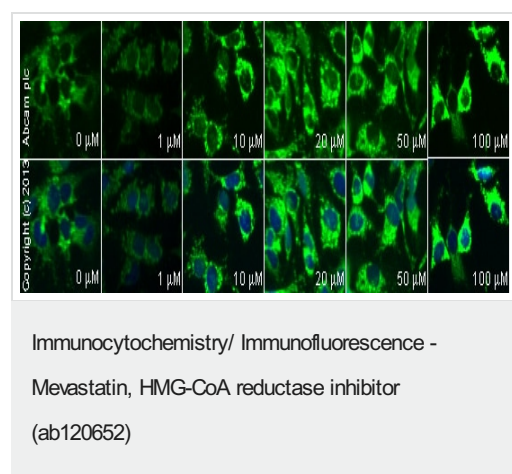
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



2D chemical structure image of ab120652, Mevastatin, HMG-CoA reductase inhibitor



[ab90529](#) staining cytochrome C in HepG2 cells treated with mevastatin (ab120652), by ICC/IF. Increase of cytochrome C expression correlates with increased concentration of mevastatin, as described in literature.

The cells were incubated at 37°C for 4 hours in media containing different concentrations of ab120652 (mevastatin) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with [ab90529](#) (1 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody ([ab96899](#)) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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

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