

Product datasheet

# Fluvastatin sodium salt, HMG-CoA reductase inhibitor ab120651

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

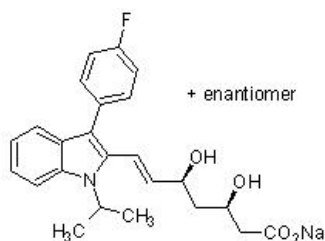
## Overview

<b>Product name</b>	Fluvastatin sodium salt, HMG-CoA reductase inhibitor
<b>Description</b>	Competitive HMG-CoA reductase inhibitor
<b>Biological description</b>	Competitive HMG-CoA reductase inhibitor (IC <sub>50</sub> = 40 - 100 nM in human and rat microsomes). Potent inhibitor of vascular smooth muscle cell proliferation <i>in vitro</i> (IC <sub>50</sub> = 70 nM).

**Purity** > 99%

**CAS Number** 93957-55-2

## Chemical structure



## Properties

<b>Chemical name</b>	(±)-(3 <i>R</i> <sup>*</sup> ,5 <i>S</i> <sup>*</sup> ,6 <i>E</i> )-7-[3-(4-Fluorophenyl)-1-(1-methylethyl)-1 <i>H</i> -indol-2-yl]-3,5-dihydroxy-6-heptenoic acid sodium salt
<b>Molecular weight</b>	433.45
<b>Molecular formula</b>	C <sub>24</sub> H <sub>25</sub> FNNaO <sub>4</sub>
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM and in water to 50 mM
<b>Handling</b>	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.  Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

## Source

Synthetic

## Applications

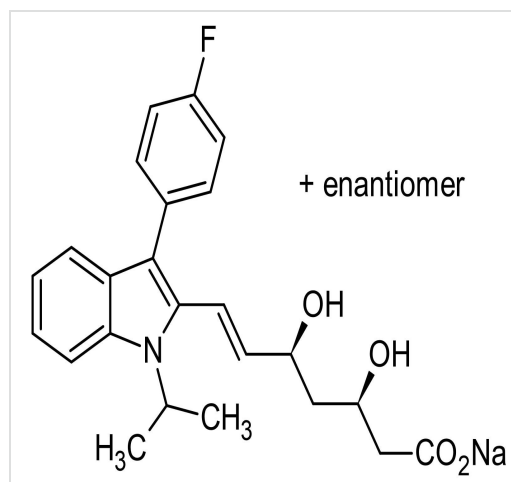
### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab120651 in the following tested applications.

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

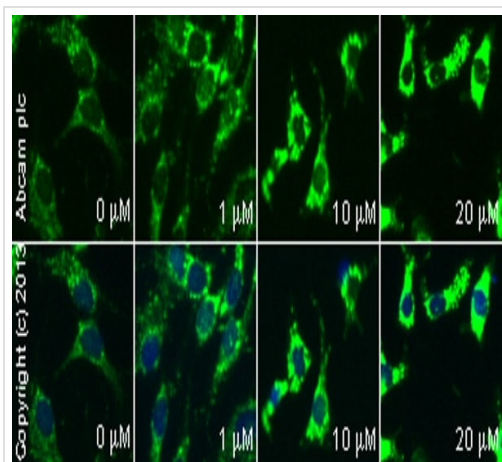
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

## Images



Chemical Structure - Fluvastatin sodium salt, HMG-CoA reductase inhibitor (ab120651)

2D chemical structure image of ab120651, Fluvastatin sodium salt, HMG-CoA reductase inhibitor



Immunocytochemistry/ Immunofluorescence -  
Fluvastatin sodium salt, HMG-CoA reductase  
inhibitor (ab120651)

**ab90529** staining cytochrome C in HepG2 cells treated with fluvastatin sodium salt (ab120651), by ICC/IF. Increase of cytochrome C expression correlates with increased concentration of fluvastatin sodium salt, as described in literature. The cells were incubated at 37°C for 48 hours in media containing different concentrations of ab120651 (fluvastatin sodium salt) 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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