

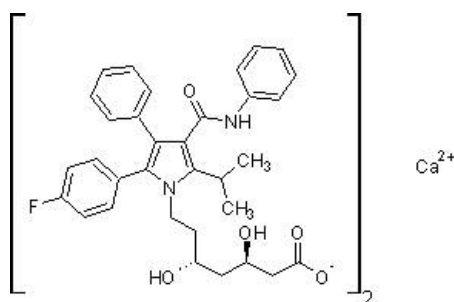
Product datasheet

# Atorvastatin hemicalcium salt, HMG-CoA reductase inhibitor ab141083

2 Images

## Overview

Product name	Atorvastatin hemicalcium salt, HMG-CoA reductase inhibitor
Description	Potent HMG-CoA reductase inhibitor
Purity	> 99%
CAS Number	134523-03-8
Chemical structure	



## Properties

Chemical name	(β <i>R</i> ,δ <i>R</i> )-2-(4-Fluorophenyl)-β,δ-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1 <i>H</i> -pyrrole-1-heptanoic acid hemicalcium salt
Molecular weight	577.68
Molecular formula	C <sub>33</sub> H <sub>34</sub> FN <sub>2</sub> O <sub>5</sub> ·0.5Ca
PubChem identifier	60822
Storage instructions	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 100 mM
Handling	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

## SMILES

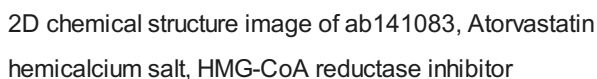
### Source

## Applications

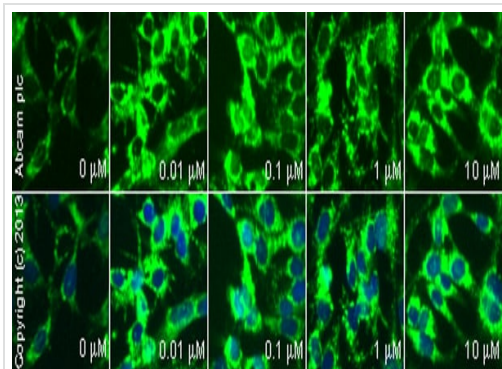
## The Abpromise guarantee

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

## Images



Chemical Structure - Atorvastatin hemicalcium salt,  
HMG-CoA reductase inhibitor (ab141083)



Immunocytochemistry/ Immunofluorescence -  
Atorvastatin hemicalcium salt, HMG-CoA reductase  
inhibitor (ab141083)

**ab90529** staining cytochrome C in HepG2 cells treated with atorvastatin hemicalcium salt (ab141083), by ICC/IF. Increase of cytochrome C expression correlates with increased concentration of atorvastatin hemicalcium salt, as described in literature. The cells were incubated at 37°C for 4 hours in media containing different concentrations of ab141083 (atorvastatin hemicalcium 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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