



# SZABO SCANDIC

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## Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Simvastatin

HMG-CoA reductase inhibitor  
Catalog No. SIH-257



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Simvastatin

### Description

HMG-CoA reductase inhibitor

### Purity

>98%

### CAS No.

79902-63-9

### Molecular Formula

C<sub>27</sub>H<sub>44</sub>O<sub>5</sub>

### Molecular Weight

418.57

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble to 75 mM in ethanol and 50 mM in DMSO

### Source

Synthetic

### Appearance

White solid

### SMILES

CCC(C)(C)C(=O)O[C@H]1C[C@H](C=C[C@H]1[C@H]([C@H](C=C2)C)CC[C@@H]3C[C@H](CC(=O)O3)O)C

### InChI

InChI=1S/C25H38O5/c1-6-25(4,5)24(28)30-21-12-15(2)11-17-8-7-16(3)20(23(17)21)10-9-19-13-18(26)14-22(27)29-19/h7-8,11,15

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## InChIKey

RYMZZMVNJR MUDD-HGQWONQESA-N

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## Safety Phrases

Classification: Harmful. May be harmful if inhaled, swallowed, or absorbed through skin.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Risk Phrases:

R62- Possible risk of impaired fertility

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## Cite This Product

Simvastatin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-257)

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## Biological Description

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### Alternative Names

(1S,3R,7S,8S,8aR)-8-{2-[(2R,4R)-4-Hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl}-3,7-dimethyl-1,2,3,7,8,8a-hexahydro-1-naphthalenyl 2,2-dimethylbutanoate

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### Research Areas

Cancer, Apoptosis

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### PubChem ID

54454

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### Scientific Background

Simvastatin is a member of the drug class of statins, used for lowering cholesterol, thereby preventing cardiovascular disease. They have a powerful inhibitory effect on HMG-CoA reductase (1).

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### References

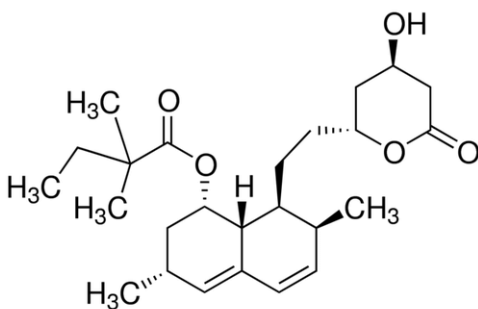
1. Alberts A.W. (1998) Am J Cardio. 62(15): 10J-15J.

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## Product Images

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Chemical structure of Simvastatin (SIH-257), a HMG-CoA reductase inhibitor. CAS #: 79902-63-9. Molecular Formula: C<sub>25</sub>H<sub>38</sub>O<sub>5</sub>. Molecular Weight: 418.57 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## **Reviews**

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There are no reviews yet.