



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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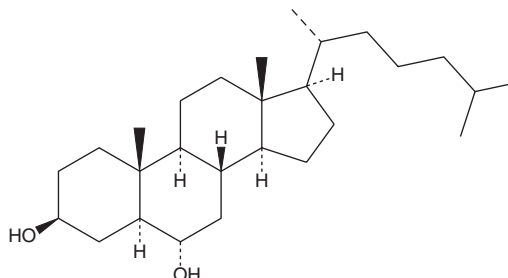
# PRODUCT INFORMATION



## 6 $\alpha$ -hydroxy Cholesterol

Item No. 25715

**CAS Registry No.:** 41083-73-2  
**Formal Name:** (5 $\alpha$ )-cholestane-3 $\beta$ ,6 $\alpha$ -diol  
**Synonym:** 6 $\alpha$ -OHC  
**MF:** C<sub>27</sub>H<sub>48</sub>O<sub>2</sub>  
**FW:** 404.7  
**Purity:**  $\geq$ 95%  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:**  $\geq$ 2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

6 $\alpha$ -hydroxy Cholesterol is supplied as a crystalline solid. A stock solution may be made by dissolving the 6 $\alpha$ -hydroxy cholesterol in the solvent of choice. 6 $\alpha$ -hydroxy Cholesterol is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of 6 $\alpha$ -hydroxy cholesterol in these solvents is approximately 20, 0.1, and 2 mg/ml, respectively.

6 $\alpha$ -hydroxy Cholesterol is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 6 $\alpha$ -hydroxy cholesterol should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. 6 $\alpha$ -hydroxy Cholesterol has a solubility of approximately 0.3 mg/ml in a 1:2 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

6 $\alpha$ -hydroxy Cholesterol is an oxysterol that increases superoxide anion production in SK-N-BE cells when used at concentrations of 50 and 100  $\mu$ M.<sup>1</sup>

### Reference

1. Zarrouk, A., Nury, T., Samadi, M., *et al.* Effects of cholesterol oxides on cell death induction and calcium increase in human neuronal cells (SK-N-BE) and evaluation of the protective effects of docosahexaenoic acid (DHA; C22:6 n-3). *Steroids* **99(Pt B)**, 238-247 (2015).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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