



# 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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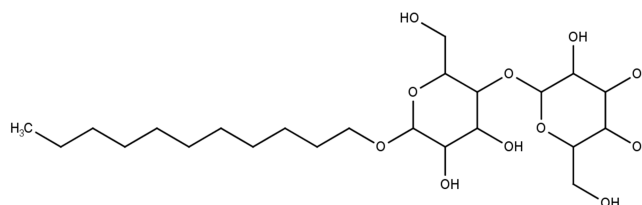
[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



## Undecyl-beta-D-maltoside

**Catalog No:** 52693  
**Lot No:** XXXXX  
**Cas No:** 170552-39-3  
**Formula:** C<sub>23</sub>H<sub>44</sub>O<sub>11</sub>  
**MW:** 496.59  
**Supplied as:** solid  
**Stability:** store dry at -20°C



### Background

Reagent grade detergents are employed for the isolation and purification of integral membrane proteins found in biological cells. Solubilization of cell membrane bilayers requires a detergent that can enter the inner membrane monolayer. Advancements in the purity and sophistication of detergents have facilitated structural and biophysical characterization of important membrane proteins such as ion channels also the disrupt membrane by binding LPS, transporters, signaling receptors, and photosystem II.

### Tests

**Appearance:**  
**Purity (HPLC):**  
**Spec. opt. rotation (c1; H2O; 20°C):**  
**Thermal transition:**

### Specifications

white crystal powder  
 >99.5%  
 [α]<sub>D</sub> +49.5°±1°  
 93°C - 95°C (smectic A)  
 220°C - 230°C (isotropic)

### Contaminants

**n-Undecanol:** <0.001% (HPLC)  
**n-Undecyl β-maltoside:** <0.01% (HPLC,TLC)  
**pH (1% solution):** 5.5 - 7.0  
**Conductance (10% aq.solution):** 7.0 – 7.3 μS/cm  
**% due to detergent:** 0.70% - 0.73%  
**Abs. (1% in H<sub>2</sub>O)**  
**340 nm:** <0,01  
**280 nm:** <0,03  
**260 nm:** <0,05  
**225 nm:** <0,07

### Usage

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