



# 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

Quellenstraße 110, A-1100 Wien

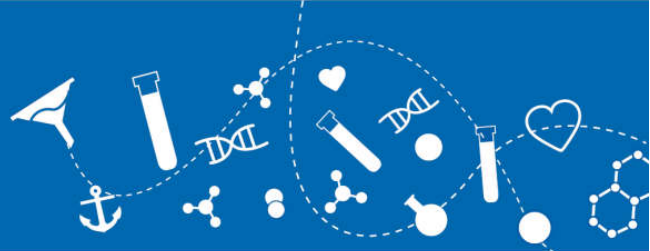
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## Dodecyl-beta-D-maltoside for crystallography

**Catalog No:** 56366  
**Lot No:** XXXXX  
**Cas No:** 69227-93-6  
**Formula:** C<sub>24</sub>H<sub>46</sub>O<sub>11</sub>  
**MW:** 510.63  
**Supplied as:** solid  
**Stability:** store at -20°C, avoid humidity!

### Background

Alkyl Maltosides are a class of detergents composed of a hydrophilic maltose and a hydrophobic alkyl chain. Variation in the alkyl chain confers a range of detergent properties including CMC and solubility. Maltosides are most often used for the solubilization and purification of membrane proteins.

### Tests

**Appearance:**  
**[α]<sub>D</sub>(c1; H<sub>2</sub>O; 22°±2°C):**  
**M.p. thermal transition:**

### Specifications

white crystal powder  
+48°±1°  
103.0°C (smectic A)  
246°C (isotropic)  
>99,5%  
<0,002% (HPLC)  
<0,003% (HPLC, TLC)  
clear, colourless  
clear, colourless  
5.5 - 6.5  
6.5 ± 1 μS/cm (10% aq.solution)  
0.01% BSA / Detergent 0.1%  
Excitation wavelength: 280nm  
Emission wavelength: 345 nm  
1.0% ± 0.3%

### Purity:

### Contaminants

**n-Dodecanol:**  
**n-Dodecyl-α-Maltoside:**

### Solubility

**10% solution in water:**  
**10% solution in ethanol:**  
**pH (1% in solution):**

### Conductance:

### Fluorescence:

### % due to detergent:

**Absorbance: Solvent: H<sub>2</sub>O / Detergent  
concentration: 1%**

**340nm:** <0.02  
**280nm:** <0.03  
**260nm:** <0.04  
**240nm:** <0.10

### Usage

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