



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

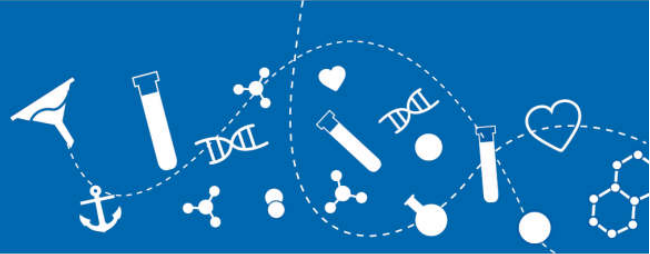
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Dodecyl-alpha-D-maltoside

Catalog No: 52694
Lot No: XXXXX
Cas No: 116183-64-3
Formula: C₂₄H₄₆O₁₁
MW: 510.63
Supplied as: solid
Stability: store at -20°C

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]_D(c₁; H₂O; 22°±2°C):
m.p. thermal transition:

Purity:

Contaminants

n-Dodecanol: <0,002% (HPLC)
n-Dodecyl-β-Maltoside: <7% (HPLC, TLC)

Solubility

10% solution in water: clear, colourless
10% solution in ethanol: clear, colourless

pH (1% in solution):

5.5 – 6.5

Conductance:

6,5±1 μS/cm (10% aq. solution)

Fluorescence:

Solvent: 0.01% BSA / Detergent 0.1%
 Excitation wavelength: 280 nm
 Emission wavelength: 345 nm

% due to detergent:

1,0%±0,3%

Absorbance: Solvent: H₂O / Detergent concentration: 1%

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

Specifications

white crystal powder
 +125°±1°
 123°C – 124°C (smetic A)
 198°C – 200°C (isotopic)
 >99,0%

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.