



n-Octyl-beta-D-gluco-pyranoside for crystallography

Catalog No: 56258
Lot No: XXXXX
Cas No: 29836-26-8
Formula: C₁₄H₂₈O₆
MW: 292.4 kDa
Stability: store at +4°C (dry, sealed in a plastic bag)

Background

Both alcohol and alpha isomer are completely removed during the processing. The anomeric purity of this detergent is of great importance especially for crystallization of membrane proteins.

Tests

Appearance:
Melting point (fluid crystal):
m.p.:
spec. opt. rotation:
Assay (HPLC, on dried subst.):
NMR-Spectrum:

Specifications

white crystalline powder
smec. 70.1°C
isotr. 105.0-107.0°C
[α]_D -34.0° ±0.5 (c 5; H₂O; 20°C)
>99.0%
complies with the structure

Solution (10% in water, 21°C):

clear, colourless

Solution (20% in ethanol, 21°C):

clear, colourless

Water (K.F.):

<0.2%

TLC CH₂Cl₂:MeOH 7:1:

one spot

Contaminants

n-Octanol (HPLC):

<0.01%

Octyl-α-glucoside (HPLC, TLC):

<0.01%

Fluorescence:

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

% due to detergent:

0.55-0.65%

pH (1% solution):

5.5-7

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.

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