

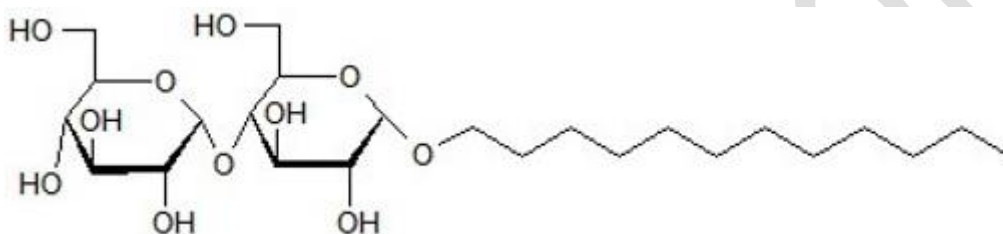
n-Dodecyl Alpha-maltoside (AlphaDDM)

> 99% highly purified

Cat # NB-39-00010-1g Size: 1g

Cat # NB-39-00010-5g Size: 5g

Cat # NB-39-00010-25g Size: 25g



Product Information

IUPAC Name:	dodecyl 4-O-alpha-D-glucopyranosyl-alpha-D-glucopyranoside
Batch Molecular Formula:	C ₂₄ H ₄₆ O ₁₁
Batch Molecular Weight:	510.63
CAS No.:	[116183-64-3]
Physical Appearance:	White solid crystal powder
Melting Point:	124,0°C (smectic A) (115-125°C), 199,5°C (isotropic) (197-200°C)
Optical Rotation:	+141° (21°C) (c ₁ ; H ₂ O; 22°±2°C) (+140°C ± 3°)
Storage	at -20°C, airtight sealed
pH (1% solution)	6,4 (5,5 – 6,5)
Absorbance:	Solvent: H ₂ O / Detergent conc.: 1%
	340 nm 0,008 (< 0,02)
	280 nm 0,019 (< 0,03)
	260 nm 0,024 (< 0,04)
	240 nm 0,033 (< 0,10)

Solvent and solubility

1g in 5 mL H₂O or EtOH

- CAUTION - Not fully tested. For Research use only. Not for human use. –

Biological activity

n-Dodecyl α -D-maltoside is a non-ionic detergent useful for solubilization, purification, and crystallography of membrane proteins as well as stabilizing and activating enzymes.

Analytical data

HPLC: >99.7% pure

For reference only

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