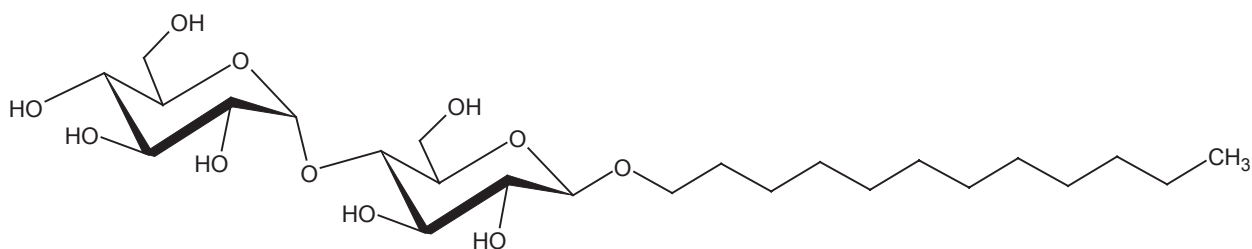




INALCO PHARMACEUTICALS
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DATA SHEET
nonionic detergent

n-DOCECYL-β-D-MALTOPYRANOSIDE (Ultrapure)
(DODECYL-MALTOSE)



Inalco code	1758-1350
C.A.S. R.N.	[69227-93-6]
Applications	Non-ionic detergent useful in membrane-protein solubilization studies.
Formula	$C_{24}H_{46}O_{11}$
Molecular Weight	510.6
Appearance	White powder
Purity (HPLC)	≥ 99%
Specific Rotation	$[\alpha]^{20}_D +47^\circ \pm 2$ (c=1 in H ₂ O)
pH	5-8 (1% sol)
Absorbance (1%)	< 0.02 (340 nm) < 0.04 (280 nm) < 0.06 (260 nm) < 0.10 (225 nm)
n-Dodecanol	≤ 0.005%
Solubility	> 20% in H ₂ O at 0 - 5° C
Conductance	< 100 μS (10% in H ₂ O)
¹ H-NMR	Conforming to the structure
Percent alpha (NMR)	< 2%
Storage	Store at 0 - 4° C; protect from light and humidity.
Toxicity	Toxicity unknown; avoid exposure.