

Specification

***n*-Dodecyl- β -D-Maltoside BioChemica**

A0819

Physical Description:	Solid
Product Code:	A0819
Product Name:	<i>n</i> -Dodecyl- β -D-Maltoside BioChemica
Specifications:	Assay (HPLC): min. 99 % α 20°C/D; 1 %, H ₂ O: +46° - +50° Solubility (10 %; H ₂ O): clear, colorless
WGK:	1
Storage:	2-8°C
Molecular Formula:	C ₂₄ H ₄₆ O ₁₁
M:	510.63 g/mol
CAS:	69227-93-6
CS:	29389090
Comment	Dodecyl- β -D-maltoside has been developed for the isolation of the mitochondrial cytochrome c oxidase (working concentration 10 - 20 mM). It belongs to the non-ionic alkyl glucosides. Isolation with dodecyl- β -D-maltoside resulted in a higher activity as compared to isolation with octylglucoside.
Bibliography	(1)Rosevear, P. <i>et al.</i> (1980) <i>Biochemistry</i> 19 , 4108-4115 Alkyl glycoside detergents\; A simpler synthesis and their effects on kinetic and physical properties of Cytochrome c Oxidase. (2)VanAken, T. <i>et al.</i> (1986) <i>Methods Enzymol.</i> 125 , 27-35 Alkyl glycoside detergents\; Synthesis and applications to the study of membrane proteins.

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