

n-Decyl β -maltoside (DM-C) for crystallography

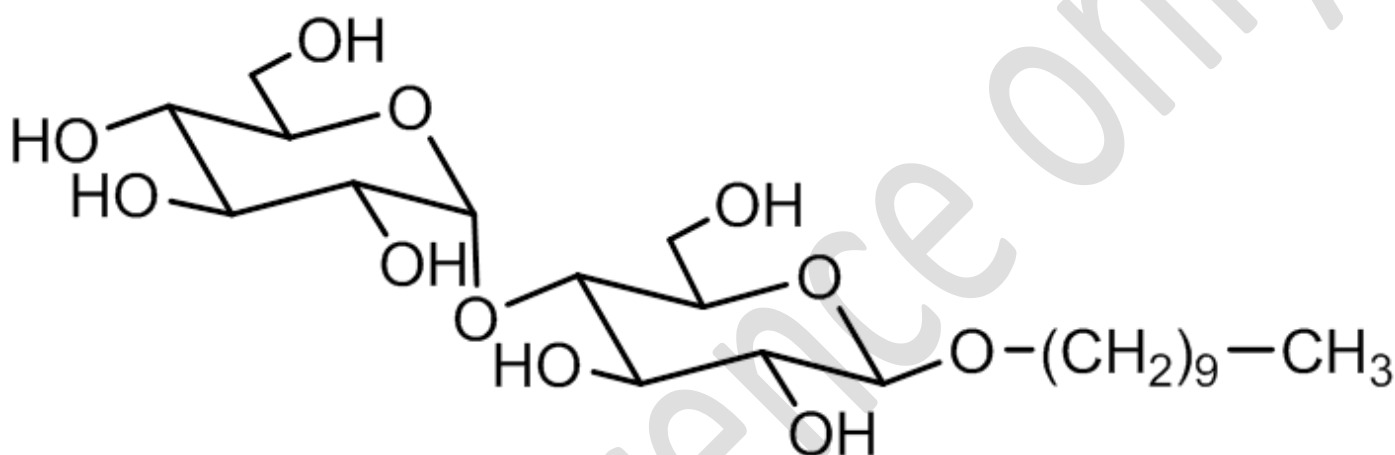
Cat # NB-39-00013-C-1g Size: 1g

Cat # NB-39-00013-C-5g Size: 5g

Cat # NB-39-00013-C-10g Size: 10g

Cat # NB-39-00013-C-25g Size: 25g

Cat # NB-39-00013-C-50g Size: 50g



Product Information

Chemical Name:	<i>n</i> -Decyl β -maltoside (DM-C)
Batch Molecular Formula:	C ₂₂ H ₄₂ O ₁₁
Batch Molecular Weight:	482,6
CAS No.:	[82494-09-5]
Physical Appearance:	White solid crystal powder
CMC:	(H ₂ O) 1,8 mM
Melting point:	89°C (smectic A), 208°C (isotropic)
Optical Rotation:	[α] _D +53° (c 4; H ₂ O)

Solvent and solubility

>1 g/ 9 mL H₂O

Biological activity

for crystallography

Decyl β -D-maltopyranoside is a nonionic detergent.

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

Decyl β -D-maltopyranoside has been used in a study to assess α -helical membrane protein crystallization. [2] It has also been used in a study to investigate enantiomer separation of drugs by micellar electrokinetic chromatography.

Analytical data

HPLC:	>99,5% pure
Contaminants:	n-Decanol <0,00% (HPLC) α -Isomer < 0,001%

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