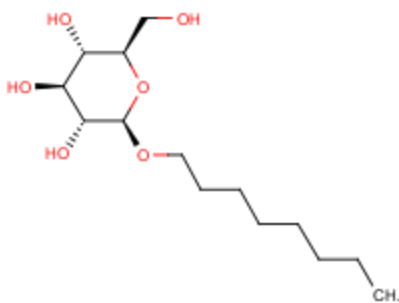


n-Octyl-beta-D-glucopyranoside

Cat # NB-42-01696-1g size: 1g

Cat # NB-42-01696-5g size: 5g

Cat # NB-42-01696-10g size: 10g



Product description

n-octyl- β -D-glucoside (β OG) is a non-ionic detergent. It has a eight carbon hydrophobic tail. It is a non-ionic, dialyzable, mild and non-denaturing detergent which is used for the solubilization, isolation and reconstitution of membrane proteins

Product Information

Synonyms:	n-octyl- β -D-glucopyranoside, octyl glucoside; OG; OGP
Batch Molecular Formula:	C ₁₄ H ₂₈ O ₆
Batch Molecular Weight:	292.37 g/mol
CAS No.:	[29836-26-8]
Appearance:	White powder
Melting point:	103-104°C

Solubility

> 50% (w/v) in double-dist. water, Tris-HCl 0.05 mol/l; pH7.4 or K-phosphate buffer 0.1 mol/l, pH 7.0 at 25°C.

Applications

N-Octylglucoside has been shown to increase the resolution of proteins in 2D gels. It is a mild and non-denaturing detergent for the solubilization and reconstitution of membrane proteins. N-Octylglucoside is easily removed by dialysis. N-Octylglucoside has been used in mass spectrometric immunoassay to homogenize MALDI (matrix assisted laser desorption/ionization) matrix draw and elution.

Non-ionic, dialyzable detergent for the solubilization and isolation of membrane proteins. Has been shown to increase the resolution of proteins in 2D gels.

For Research use only. Not for human use.

Neo-Biotech

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Biochem/physiol Actions

n-octyl- β -D-glucoside (β OG) helps to extract, solubilize and denature membrane proteins. Octyl glucoside has versatile uses including: reconstituting an ion channel, solubilizing an enzyme and incorporating a protein into liposomes. Also, nonionizing detergent complexes are used in protein crystallization studies. It is mainly used in the expression and purification of recombinant protein.

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