

Cn-Nonyl Beta-D-glucopyranoside (NG)

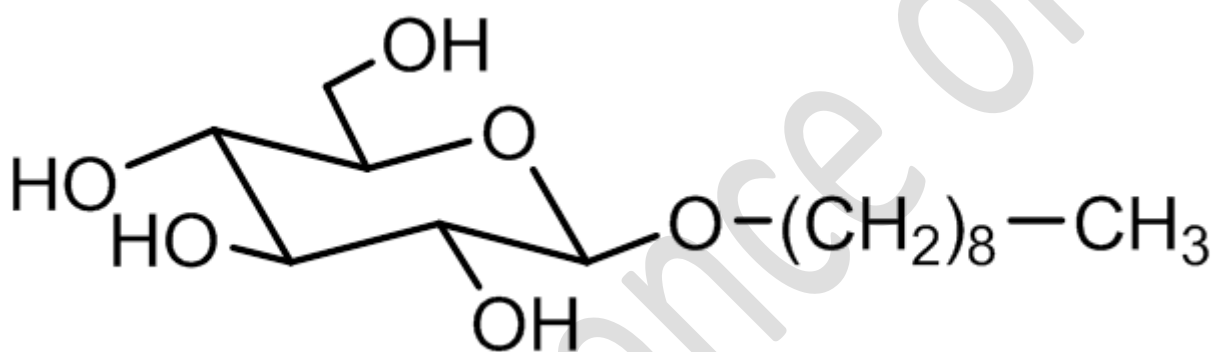
Cat # NB-39-00006-1g Size: 1g

Cat # NB-39-00006-5g Size: 5g

Cat # NB-39-00006-10g Size: 10g

Cat # NB-39-00006-25g Size: 25g

Cat # NB-39-00006-50g Size: 50g



Product Information

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|---------------------------------|--|
| Chemical Name: | n-Nonyl β -D-glucopyranoside |
| Synonyms: | nonyl glucoside; NG; NGP |
| Batch Molecular Formula: | $C_{15}H_{30}O_6$ |
| Batch Molecular Weight: | 306.40 |
| CAS No.: | [69984-73-2] |
| Physical Appearance: | White solid crystal powder |
| CMC: | (H ₂ O) 18-20 mM |
| [α]D: | -33° (c 5; H ₂ O) |
| Melting Point: | 72°C (smectic A)117°C (isotropic) |
| Absorbance: | (1%, H ₂ O, 260 nm): < 0,03 |
| Storage: | Store at -20°C |

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

Solvent and solubility

> 1 g in 9 mL H₂O or EtOH clear

Biological activity

Nonyl β -D-glucopyranoside is a nonionic surfactant among a small number of surfactants found to be useful for the solubilization and crystallization of a large number of biological membrane proteins.

Application

Nonyl β -D-glucopyranoside has been used in a study to assess the structure and molecular fluctuations of n-alkyl- β -d-glucopyranoside micelles. It has also been used in a study to investigate enantiomer separation of drugs by micellar electrokinetic chromatography.

Analytical data

| | |
|-----------------|--|
| HPLC: | >99% pure |
| Contaminations: | n-Nonanol <0,001%, α -Isomer <0,01% (HPLC) |

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