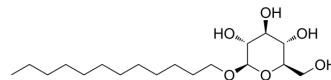


Dodecyl β -D-glucopyranoside

Cat. No.:	HY-W142692
CAS No.:	59122-55-3
Molecular Formula:	C ₁₈ H ₃₆ O ₆
Molecular Weight:	348.47
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Dodecyl β -D-glucopyranoside is a non-ionic detergent and surfactant commonly used to solubilize and purify membrane proteins in biochemical research. Dodecyl β -D-glucopyranoside also interacts with bovine serum albumin (BSA) to quench its intrinsic fluorescence. The critical micelle concentration (CMC) of Dodecyl β -D-glucopyranoside (DG) and DG/BSA complex is 2.0 mM and 2.34 mM, respectively. Micelles can be formed in aqueous solutions above this concentration^[1].

REFERENCES

[1]. Wang G, et al. Exploration of interactions between decyl- β -D-glucopyranoside and bovine serum albumin in aqueous solution[J]. RSC advances, 2016, 6(24): 19700-19706.

Caution: Product has not been fully validated for medical applications. For research use only.

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