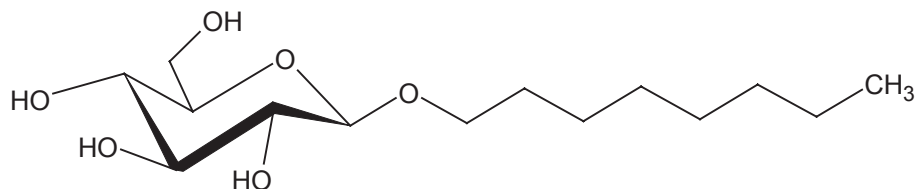




INALCO PHARMACEUTICALS
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DATA SHEET
nonionic detergent

n-OCTYL-β-D-GLUCOPYRANOSIDE
(OG, OCTYL-GLUCOSIDE)



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|--------------------|--|
| Inalco code | 1758-1700 |
| C.A.S. R.N. | [29836-26-8] |
| Applications | Non-ionic detergent used for the isolation and purification of membrane bound proteins. It can be easily removed by dialysis. It is also used for the reconstitution of biological membranes, and for the preparation of liposomes. It shows antimicrobial properties. |
| Formula | $C_{14}H_{28}O_6$ |
| Molecular Weight | 292.4 |
| Appearance | White or off-white powder |
| Purity (TLC) | ≥ 99% |
| Specific Rotation | $[\alpha]_D^{20} -30^\circ \pm 2$ (c=1 in methanol) |
| Absorbance (100mM) | < 0.15 (280nm) |
| 1-Octanol | ≤ 0.05% |
| Solubility | Clear and colorless (10% in H ₂ O) |
| Conductivity | < 100 μmhos |
| ¹ H-NMR | Conforming to the structure |
| Storage | Store at -20° C; protect from light and humidity. |
| Toxicity | Toxicity unknown; avoid exposure. |

References: Aerts, T., et al., J. Biol. Chem., 265, 8675 (1990)
Camm, E.L., et al., Plant Physiology, 67, 1061 (1981)
Chang, C.C., et al., Immunol. Lett., 32, 193 (1992)