

Specification

***n*-Octyl- β -D-Thioglucopyranoside BioChemica**

A1145

Physical Description:	Solid
Product Code:	A1145
Product Name:	<i>n</i> -Octyl- β -D-Thioglucopyranoside BioChemica
Specifications:	<p>Assay (HPLC): min. 99 %</p> <p>α20°C/D; 1 %, MeOH: -52° - -54°</p> <p>Solubility (8 %; H₂O): clear, colorless</p> <p>α-Isomer (HPLC): max. 0.01 %</p> <p><i>n</i>-Octanethiol (HPLC): max. 0.001 %</p> <p>A (1 cm/0.5 %, water HPLC grade)</p> <p>260 nm: max. 0.25</p>
WGK:	1
Storage:	2-8°C
Molecular Formula:	C ₁₄ H ₂₈ O ₅ S
M:	308.44 g/mol
CAS:	85618-21-9
CS:	29329900
Comment	<p>Octylthioglucoside was developed as an alternative to octylglucoside. The CMC of Octylthioglucoside was determined to be 9 mM. It is more stable than Octylglucoside and is not cleaved by β-glucosidases.</p>
Bibliography	<p>(1)Saito, S. & Tsuchiya, T. (1984) <i>Biochem. J.</i> 222, 829-832Characteristics of <i>n</i>-Octyl-β-D-thioglucopyranoside, a new non-ionic detergent useful in membrane biochemistry. (2)Tsuchiya, T. & Saito, S. (1984) <i>J. Biochem.</i> 96, 1593-1597Use of <i>n</i>-Octyl-β-D-thioglucopyranoside, a new nonionic detergent, for solubilization and reconstitution of membrane proteins.</p>

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