

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:	Assay (HPLC): min. 99 % α 20°C/D; 1 %, MeOH: -52° - -54° Solubility (8 %; H ₂ O): clear, colorless α -Isomer (HPLC): max. 0.01 % <i>n</i> -Octanethiol (HPLC): max. 0.001 % A (1 cm/0.5 %, water HPLC grade) 260 nm: max. 0.25
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	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.
Bibliography	(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.

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