



## SPECIFICATION

### Octyl b-D-glucopyranoside

Product Code:	DO05161
Synonyms:	n-Octylglucoside 1-O-Octyl b-D-glucopyranoside OG
CAS Number:	29836-26-8
Chemical Formula:	$C_{14}H_{28}O_6$
Molecular Weight:	292.37

## TECHNICAL SPECIFICATION

Appearance:	White to off-white powder	
Purity (HPLC):	min 98%	
Purity (TLC) (CHCl <sub>3</sub> :CH <sub>3</sub> OH, 9:1):	min 98%	
Specific optical rotation [α] <sub>D</sub>	-31.0 to -35.0°	<sup>20</sup> (c=5, H <sub>2</sub> O):
Specific optical rotation [α] <sub>D</sub>	-28.0 to -32.0°	<sup>20</sup> (c=1, CH <sub>3</sub> OH):
Identity ( <sup>1</sup> H NMR):	Conforms to structure	
Specific absorption (260nm, 100mM, water):	max 0.3	
Octanol content (GC):	max 0.05%	
Carbon content:	56.5 - 58.5%	
Solubility (100mg/ml in water):	Clear to very slightly hazy colourless to faint yellow solution	