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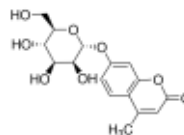
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## Product Specification

Product Name:  
4-Methylumbelliferyl  $\alpha$ -D-mannopyranoside -  $\geq 97\%$  (HPLC)

**Product Number:** M3657  
**CAS Number:** 28541-83-5  
**MDL:** MFCD00067662  
**Formula:** C<sub>16</sub>H<sub>18</sub>O<sub>8</sub>  
**Formula Weight:** 338.31 g/mol  
**Storage Temperature:** -20 °C



TEST	Specification
Appearance (Color)	White to Off-White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear
20 mg/mL, Pyridine	
Proton NMR Spectrum	Conforms to Structure
Specific Rotation	170 - 186 °
(c = 0.5 in MeOH at 25 deg C)	
Impurity (by Enzymatic)	$\leq 0.05\%$
Fluorescence Test for Free 4-Methylumbelliferone	
Purity (HPLC)	$\geq 97\%$
Recommended Retest Period	-----
5 years	

Specification: PRD.2.ZQ5.10000018920

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.