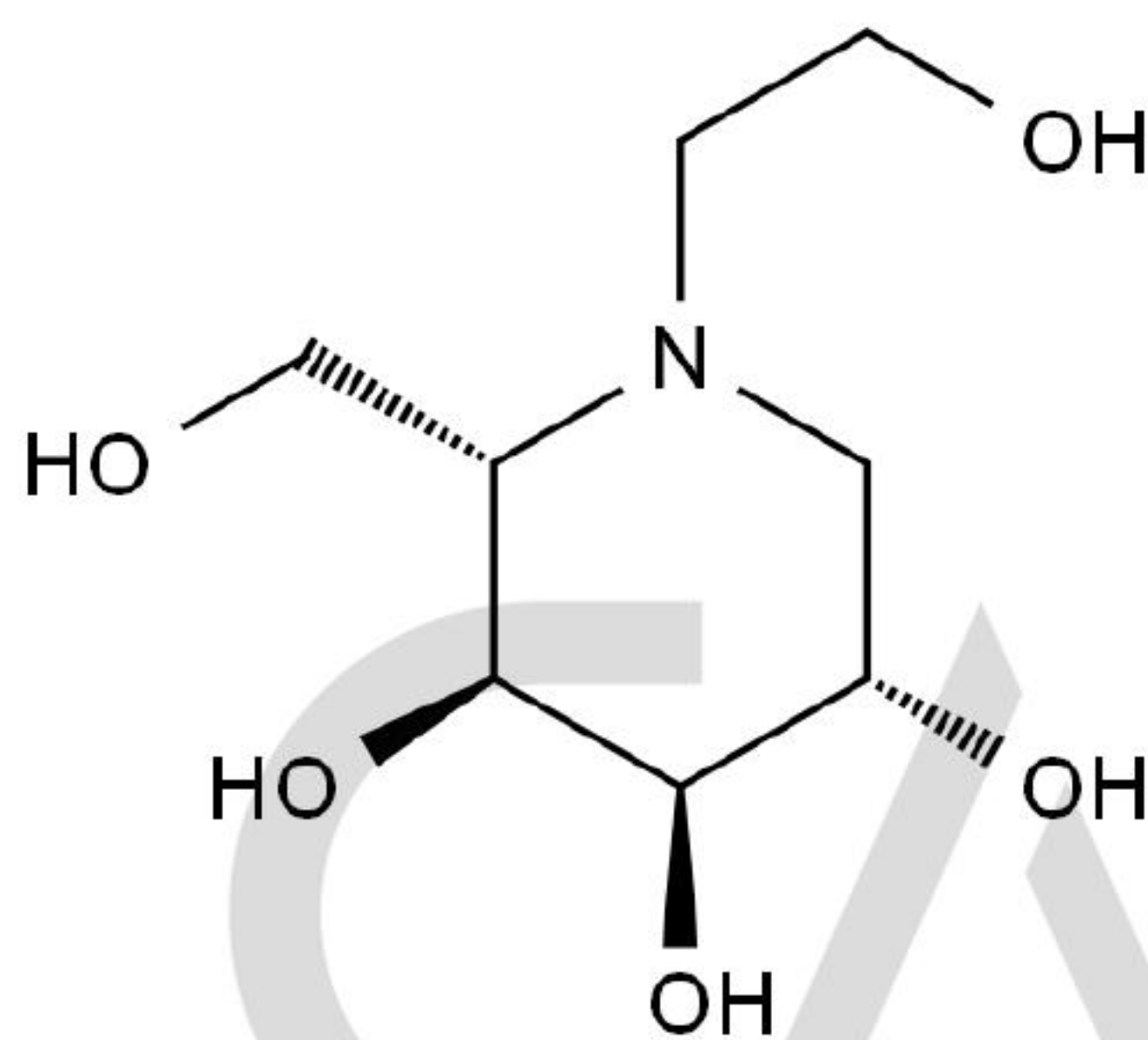


Certificate of Analysis

Reference Material & Standard

Product Name:	Miglitol Impurity C	Catalogue Number:	C4X-16975
Synonyms:	N/A	Lot Number:	0627-RF-0001
CAS Number:	1550201-56-3	Expiry Date:	Nov 12, 2026
Molecular Formula:	C ₈ H ₁₇ NO ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	207.22		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Semi-solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	ELSD	100.0000%
Water Content	Karl Fischer	5.60%
Residual Solvents	NMR	Not detected in NMR
Optical Rotation		[α] _D 28.0(c=0.33,H ₂ O): +22.3°
Assay		94.4%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Water Content-Residual Solvents) * Purity ELSD (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jun 27, 2024

Date: Jun 27, 2024

Date: Jun 27, 2024

