



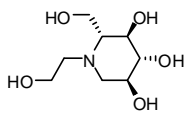
## Certificate of Analysis

**Axon Catalogue ID:** 2067 **Batch Number:** 1

**Product Name:** Miglitol

**Alternative Name(s):** Glyset; BAY 1099

**IUPAC Name:** (2R,3R,4R,5S)-1-(2-hydroxyethyl)-2-(hydroxymethyl)piperidine-3,4,5-triol

**Structure:**  **Amount:**

**CAS number:** 72432-03-2 **MW:** 207.22

**Batch Molecular Formula:** C<sub>8</sub>H<sub>17</sub>NO<sub>5</sub> **Batch MW:** 207.22

**Appearance:** White crystals **Observed mp:** 146 - 147 °C

**TLC (R<sub>f</sub>):** 0 DCM/MeOH (9:1)

**Chemical Purity:** >98%

**Optical Purity (ee):**

**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** C, H, and N fit within 0,4% of theoretical calculation

**Storage Conditions:** Store at +4°C

**Solubility Data:**

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	20.7	>100 mM	Soluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	20.7	>100 mM	Soluble
EtOH			Not Tested

**Remarks:** Microanalysis: Calcd. C 46.37, H 8.27, N 6.76; Found C 46.24, H 8.36, N 6.56.

**QC Date:** 5/2/2013

The purity of Axon products is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Axon Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**