## **Certificate of Analysis**

## Miglustat (hydrochloride)

Cat. No.: HY-17020A

CAS No.: 210110-90-0

Batch No.: 109622

Chemical Name: 3,4,5-Piperidinetriol, 1-butyl-2-(hydroxymethyl)-, hydrochloride (1:1), (2R,3R,4R,5S)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{10}H_{22}CINO_4$ Molecular Weight: 255.74

Storage: -20°C, stored under nitrogen

\* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)

**Chemical Structure:** 

ANALYTICAL DATA

Appearance: White to light brown (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

Purity (NMR): 98.20%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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