

Certificate of Analysis

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Product Name: Miglustat - d₉ hydrochloride

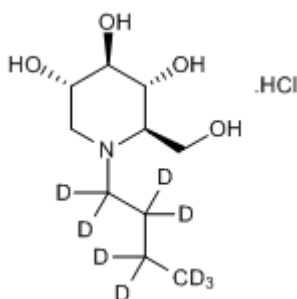
Catalog No.: 5539

Batch No.: 1

IUPAC Name: (2*R*,3*R*,4*R*,5*S*)-1-(Butyl-d₉)-2-(hydroxymethyl)-3,4,5-piperidinetriol hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₁₀ H ₁₂ D ₉ NO ₄ .HCl
Batch Molecular Weight:	264.79
Physical Appearance:	White solid
Solubility:	DMSO to 75 mM water to 75 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

Isotopic Purity:	99.2% D
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: (2*R*,3*R*,4*R*,5*S*)-1-(Butyl-d₉)-2-(hydroxymethyl)-3,4,5-piperidinetriol hydrochloride

Description:

Deuterated miglustat (Cat. No. 3117).

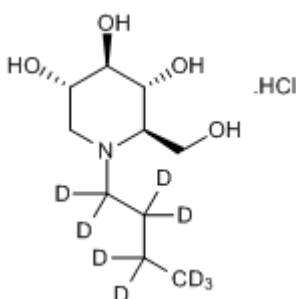
Physical and Chemical Properties:

Batch Molecular Formula: C₁₀H₁₂D₉NO₄.HCl

Batch Molecular Weight: 264.79

Physical Appearance: White solid

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 75 mM

water to 75 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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