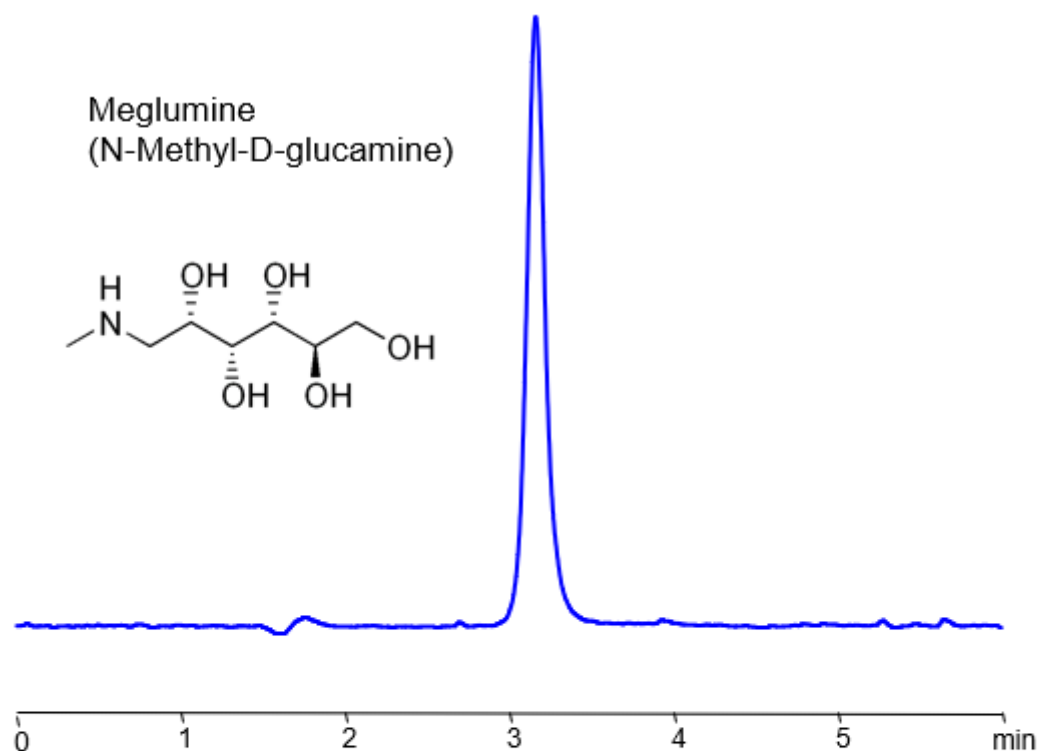


HPLC Method for Analysis of Meglumine on Primesep 100 Column by SIELC Technologies

<https://sielc.com/hplc-method-for-determination-of-meglumine>

Chromatogram



Column:	Primesep 100
Column size:	2.1 × 100 mm, 3 µm
Column part number:	100-21.100.0310
Mobile phase:	MeCN – 20%
Buffer:	TFA - 0.2%
Flow rate:	0.2 mL/min
Detection:	ELSD, 50°C

Description

Meglumine is a sugar alcohol with the chemical formula $C_7H_{17}NO_5$. It is a derivative of glucose that is used primarily as an excipient in pharmaceuticals. You can find detailed UV spectra of Meglumine and information about its various lambda maxima by visiting the following link.

Meglumine (N-Methyl-D-glucamine) can be retained and analyzed on a Primesep 100 mixed-mode stationary phase column using an isocratic analytical method with a simple isocratic mobile phase of water, Acetonitrile (MeCN), and a sulfuric acid (H_2SO_4) buffer. This analysis method can be detected and is compatible with Mass Spectrometry (MS), ELSD, and CAD.

Method Parameters

Mobile Phase	MeCN – 10%
Buffer	TFA – 0.2%
Flow Rate	0.2 ml/min
Detection	ELSD, 50C
Retention Time	3.2 min
Class of Compounds	Drug
Analyzing Compounds	Meglumine (N-Methyl-D-glucamine)

HPLC Column Used

Primesep 100, 2.1 x 100 mm, 3 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)