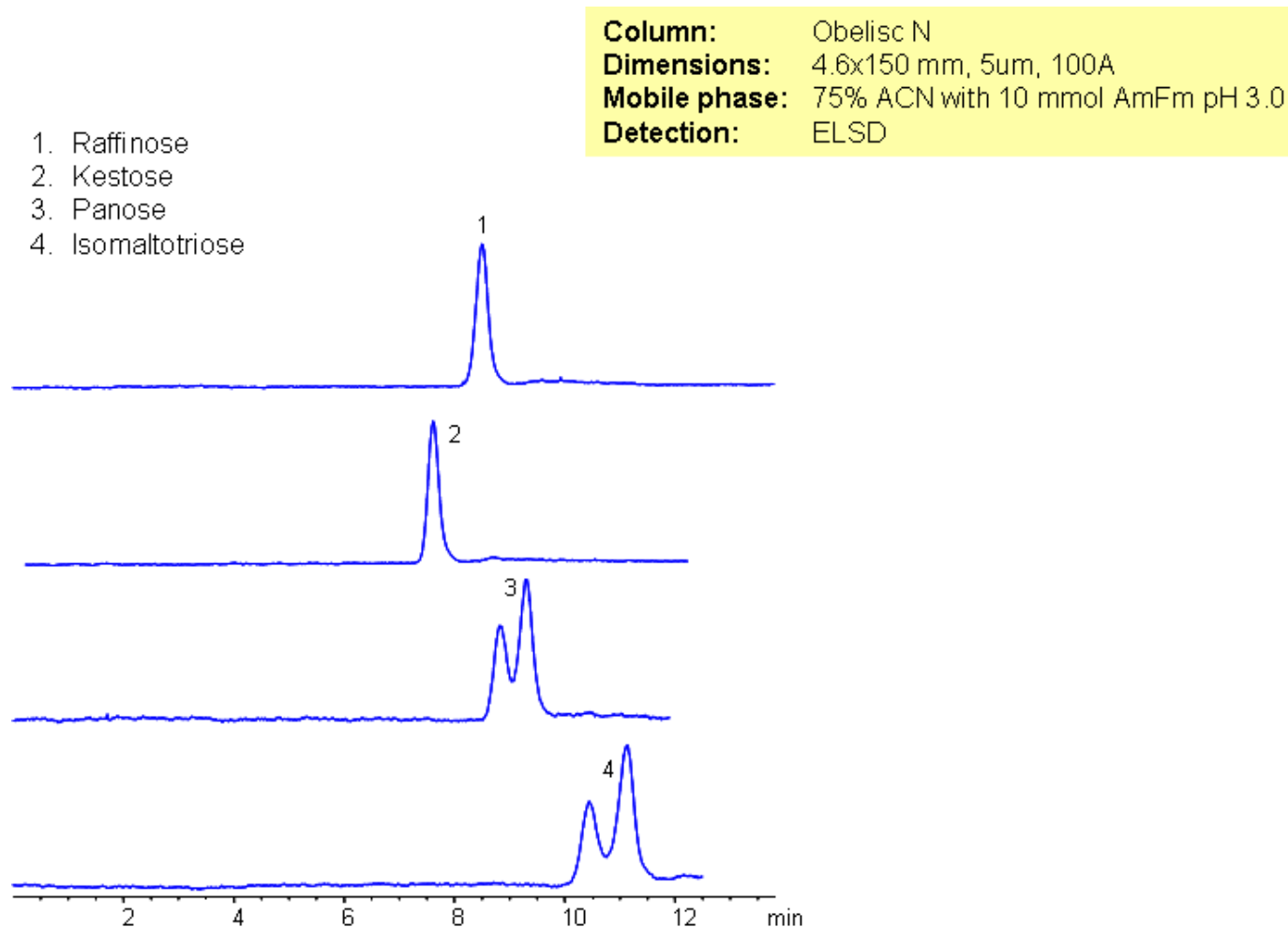


Separation of Trisaccharides on Obelisc N Column

<https://sielc.com/Application%20Separation%20of%20Trisaccharides%20on%20Obelisc%20N%20Column>

Chromatogram



Description

Trisaccharides can be difficult to separate using conventional HPLC columns. The four trisaccharides panose, raffinose, isomaltotriose, and kestose have the same chemical formula, and they all have two glycosidic bonds connecting the three monosaccharides. Obelisc N was used as a stationary phase to separate trisaccharides because it is capable of multiple modes of separation. Obelisc N is a highly polar column that retains polar and charged analytes. Even though the trisaccharides differ only in regio- and stereochemistry they are resolved.

Method Parameters

Mobile Phase	MeCN – 75%
Buffer	AmFm pH 3.0- 10 mM
Flow Rate	1.0 ml/min
Detection	ELSD
Class of Compounds	Trisaccharides, Hydrophilic, Ionizable

Analyzing Compounds

Raffinose, Kestose, Panose, Isomaltose

HPLC Column Used

Obelisc R, 4.6×150 mm, 5 µm, 100A

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