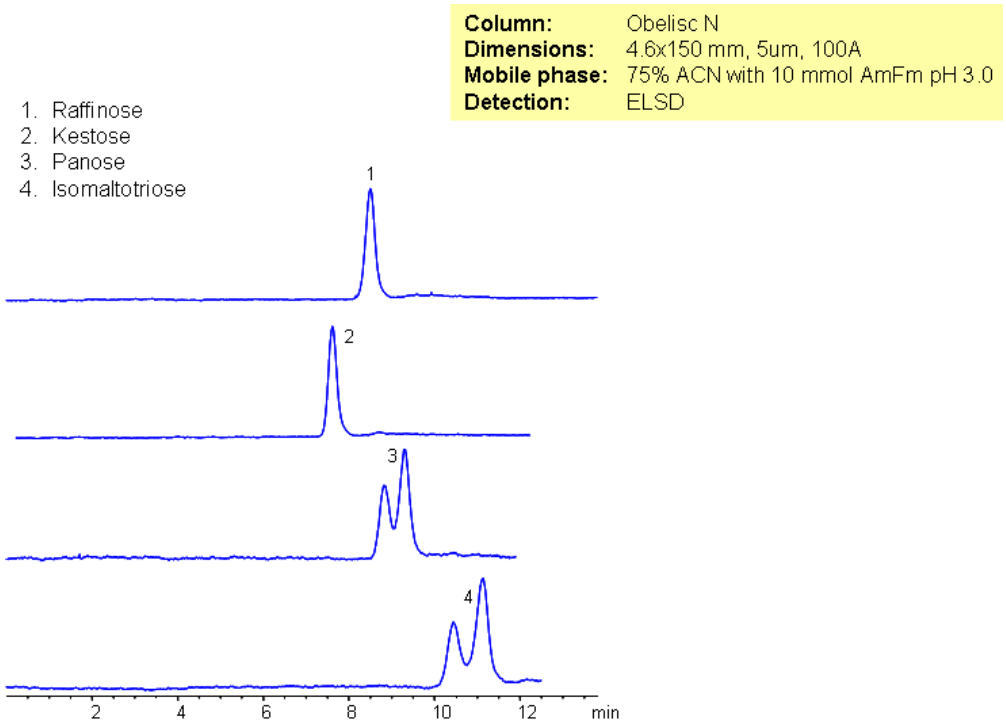
Separation of Trisaccharides on Obelisc N Column



Trisaccharides can be difficult to separate using conventional HPLC columns. The four trisaccharides panose, raffinose, isomaltotriose, and kestose have the same chemical formula, and the 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

Column	Obelisc R, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN – 75%
Buffer	AmFm pH 3.0- 10 mM
Flow Rate	1.0 mL/min
Detection	ELSD

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