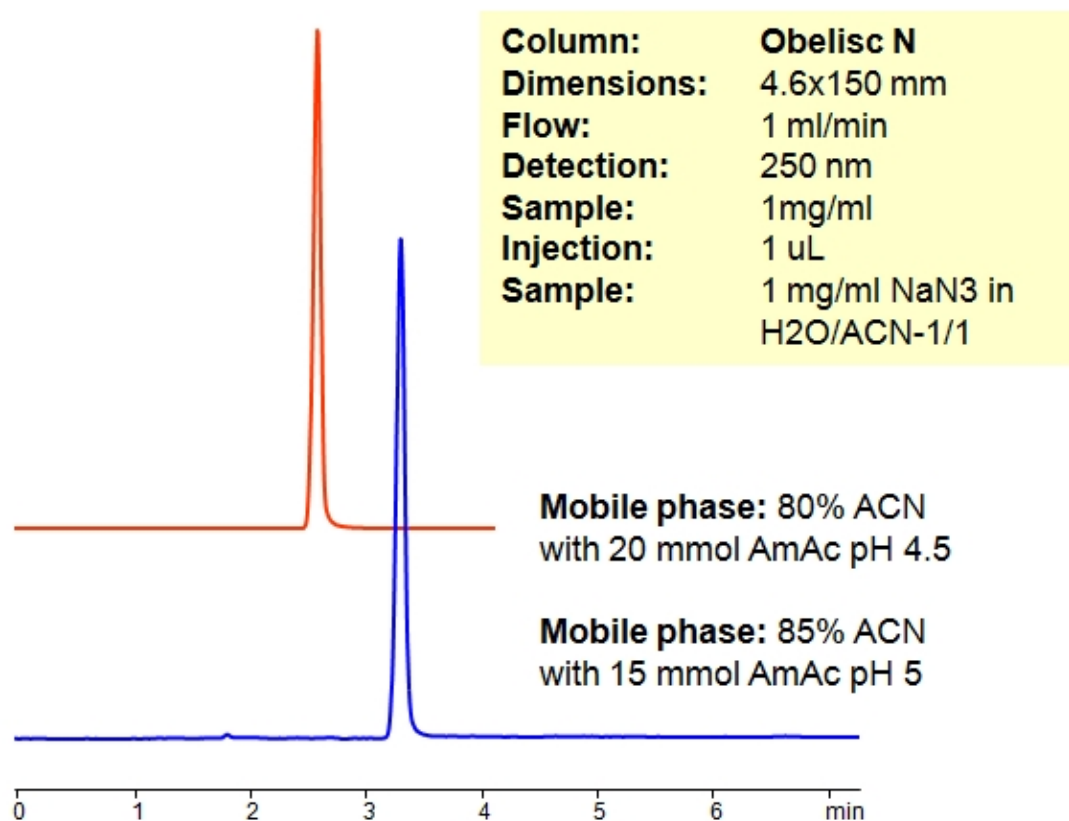


Retention of Azide Ion on Obelisc N Column

<https://sielc.com/Retention of Azide Ion on Obelisc N Column>

Chromatogram



Description

Sodium azide is a salt of weak hydrazoic acid with pKa 4.5-4.7. Sodium azide is very toxic. It is typically used as a stabilizer for aqueous solution to suppress bacteria grows. Chromatography separation is based on weak ionic interaction of the partially ionized hydrazoic acid with positively charged column surface. Additional polar interaction is a result of high acetonitrile concentration in the mobile phase.

Method Parameters

Mobile Phase	MeCN
Buffer	AmAc
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Base, Hydrophobic, Ionizable
Analyzing Compounds	Azide

HPLC Column Used

Obelisc N, 2.1×150 mm, 5 µm, 100A

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