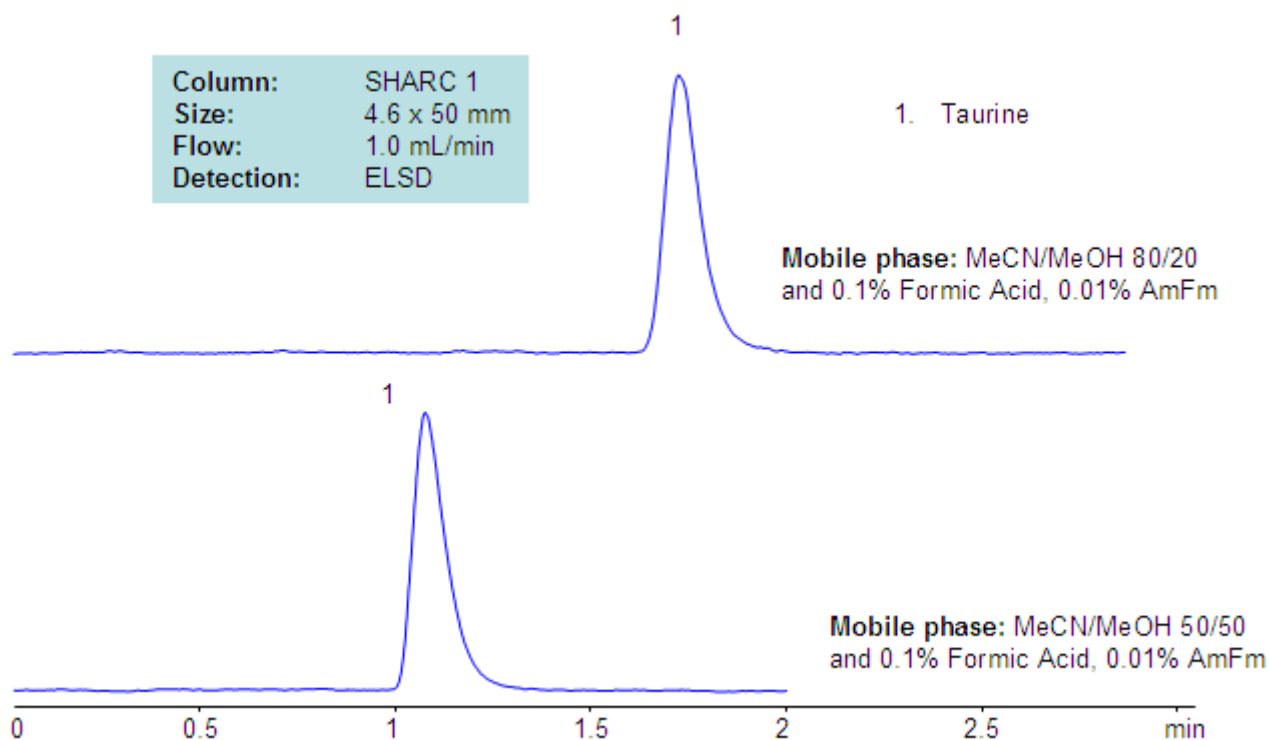


Retention of Taurine on SHARC Column

<https://sielc.com/Application-Retention-of-Taurine-on-SHARC-Column>

Chromatogram



Description

Taurine, or 2-aminoethanesulfonic acid, is a very polar zwitter-ionic compound. Taurine is used as an additive for various nutrition composition. The polar and zwitter-ionic nature of taurine prevent it from analysis by RP chromatography, in addition to that, taurine is not UV active and cannot be monitored by UV. The analytical method for analysis of taurine was developed on the SHARC 1 hydrogen-bonding column. This method with some modifications can be used for the analysis of taurine in complex mixtures with a ELSD or a LC/MS detector.

Method Parameters

Mobile Phase	MeCN/MeOH
Buffer	Formic Acid – 0.1%, AmFm – 0.01%
Flow Rate	1.0 ml/min
Detection	ELSD
Class of Compounds	Amino sulfonic acid, Hydrophilic, Ionizable, Vitamin, Supplements
Analyzing Compounds	Taurine

HPLC Column Used

Sharc 1, 4.6x50 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](#)