

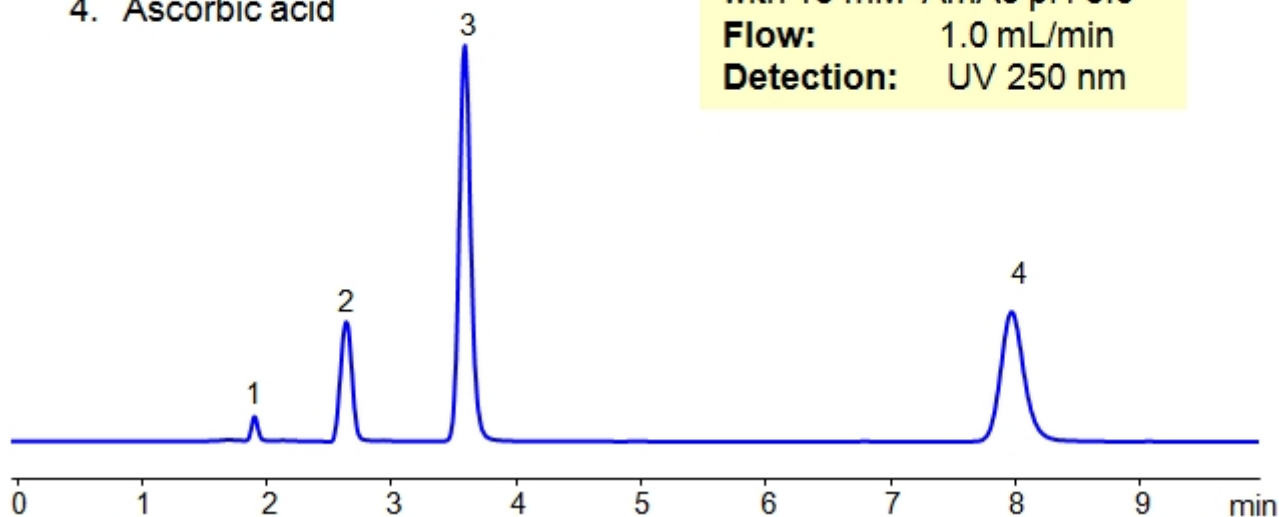
HPLC Separation of Organic Acids in HILIC and Anion-Exclusion Mode on Primesep S2 Column

<https://sielc.com/Application-HPLC-Separation-of-Organic-Acids-in-HILIC-and-Anion-Exclusion-Mode-on-Primesep-S2-Column>

Chromatogram

1. Toluenesulfonic acid
2. Naphthalenedisulfonic acid
3. 3.5 DHBA
4. Ascorbic acid

Column: Primesep S2
Size: 4.6 x 150mm
Mobile phase: 85% MeCN with 15 mM AmAc pH 5.0
Flow: 1.0 mL/min
Detection: UV 250 nm



Description

Organic acids were separated on a HILIC/cation-exchange column in HILIC/anion-exclusion mode. This column can be used for analysis of polar compounds in HILIC mode. If compounds are ionizable, additional mode of interaction can be added (cation-exchange or anion-exclusion).

Method Parameters

Mobile Phase	MeCN/H ₂ O – 85/15%
Buffer	AmAc pH 5.0 15 mM
Flow Rate	1.0 ml/min
Detection	ELSD, 50C UV 250 nm
Class of Compounds	Nucleosides, Hydrophilic, Ionizable
Analyzing Compounds	Toluenesulfonic acid, Naphthalenedisulfonic acid, 3.5 DHBA, Ascorbic acid,

HPLC Column Used

Primesep S2, 4.6x150 mm, 5 µm, 100A

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