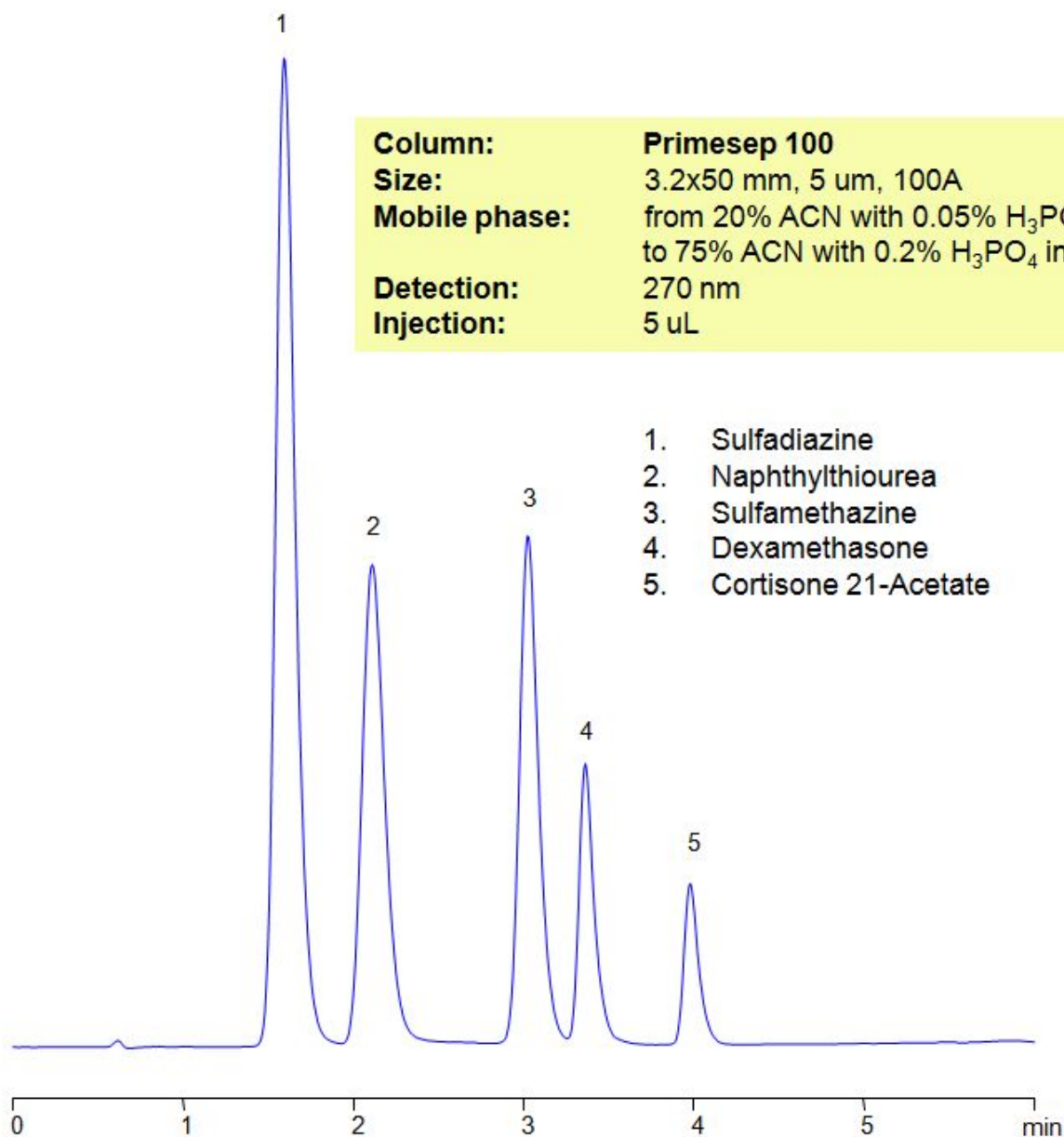


HPLC Method for Analysis of Sulfadiazine, Naphthylthiourea, Sulfamethazine, Dexamethasone, Cortisone 21-Acetate

<https://sielc.com/hplc-method-for-analysis-of-sulfadiazine-naphthylthiourea-sulfamethazine-dexamethasone-cortisone-21-acetate>

Chromatogram



Description

Sulfadiazine is an antibiotic used to prevent rheumatic fever, chancroid, chlamydia and infections by *Haemophilus influenzae*. There are side effects to the use of the drug which include, but not limited to: nausea, headache, rash, depression.

Method Parameters

Mobile Phase	Gradient MeCN – 20-75%, 4 min
Buffer	Gradient H ₃ PO ₄ – 0.05-0.2%, 4 min
Flow Rate	0.5 ml/min

Detection	UV, 270 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable
Analyzing Compounds	Sulfadiazine, Naphthylthiourea, Sulfamethazine, Dexamethasone, Cortisone 21-Acetate

HPLC Column Used

Primesep 100, 3.2×50 mm, 5 µm, 100A

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