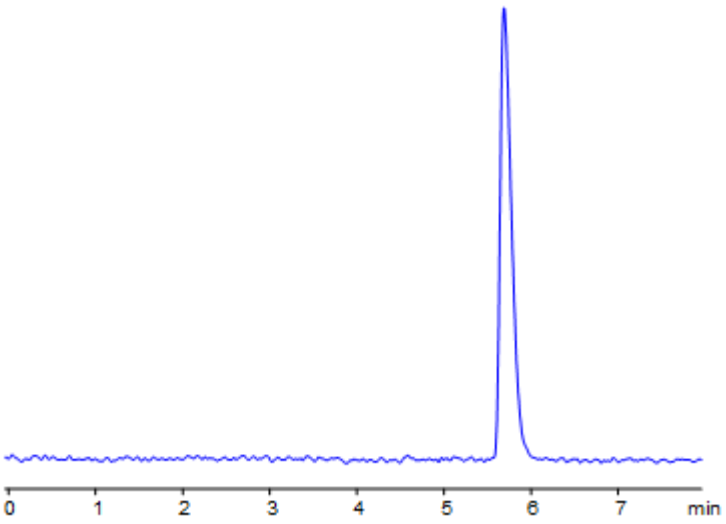
HPLC Separation of Phenoxymethylpenicillin

https://sielc.com/Application-HPLC-Separation-of-Phenoxymethylpenicillin

Chromatogram



Column:	Legacy L1
Column size:	4.6 x 250 mm
Mobile Phase:	30% ACN,
Buffer:	30 mM NaH2PO4 pH 6.0
Flow:	1.0 mL/min
Detection:	270 nm

Description

Phenoxymethylpenicillin (also known as penicillin V) is an antibiotic useful in the treatment of multiple bacterial infections such as those caused by Streptococcus pyogenes, Anthrax, Lyme Disease, Rheumatic fever, and blood infection prophylaxis in children with sickle cell diseases. Legacy L1 was used to retain Phenoxymethylpenicillin by reverse phase mechanism.Legacy L1 uses embedded C18 groups on porous silica and is useful for many USP HPLC applications. comparisons to Phenomenex columns are available by request.

Method Parameters

Mobile Phase	MeCN – 30%
Buffer	NaH2PO4 pH 6.0 – 30 mM
Flow Rate	1.0 ml/min
Detection	UV, 270 nm
Class of Compounds	Drug, Hydrophobic, Ionizable
Analyzing Compounds	Phenoxymethylpenicillin

HPLC Column Used

Legacy L1, 4.6×250 mm, 5 µm, 100A

Order this column at hplc-shop.de →