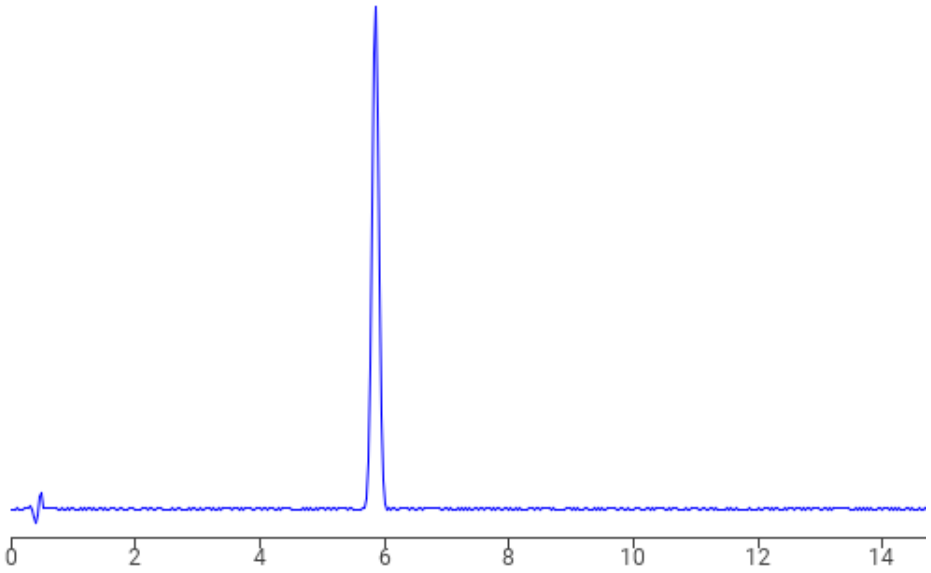
Separation of Diphenyl phosphate on Newcrom R1 HPLC column



Column phase:	Newcrom R1
Mobile phase:	MeCN/H2O/H3PO4 - 30/70/0.1
Flow rate:	1.0 mL/min
Column size:	100 x 3.2 mm, 3 µm

Diphenyl phosphate can be analyzed by this reverse phase (RP) HPLC method with simple conditions. The mobile phase contains an acetonitrile (MeCN), water, and phosphoric acid. For Mass-Spec (MS) compatible applications the phosphoric acid needs to be replaced with formic acid. Smaller 3 µm particles columns available for fast UPLC applications. This liquid chromatography method is scalable and can be used for isolation impurities in preparative separation. It also suitable for pharmacokinetics.

The Newcrom columns are a family of reverse-phase-based columns. Newcrom A , AH , B , and BH are all mixed-mode columns with either positive or negative ion-pairing groups attached to either short (25 Å) or long (100 Å) ligand chains. Newcrom R1 is a special reverse-phase column with low silanol activity.

Hinweis: Diese Applikation basiert auf einem von SIELC erzeugten simulierten Ergebnis und kann von realen experimentellen Daten abweichen. Experimentelle Daten sind auf Anfrage verfügbar.

Quelle: https://sielc.com/separation-of-diphenyl-phosphate-on-newcrom-c18-hplc-column

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