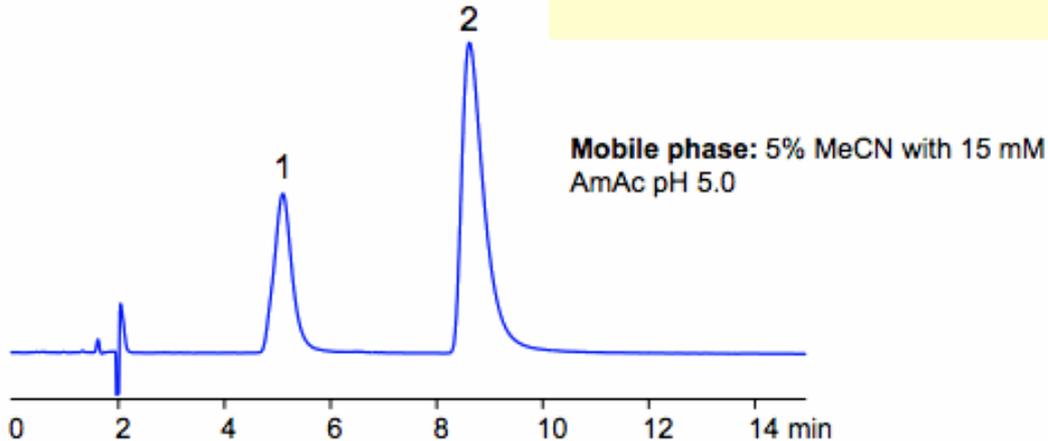


HPLC Separation of Aminobiphenyl Isomers in Cation-Exchange Mode

1. 2-Aminobiphenyl
2. 4-Aminobiphenyl

Column: Primesep S2
Size: 4.6 x 150mm
Flow: 1.0 mL/min
Detection: UV 270 nm



Two isomers of aminobiphenyl were successfully retained and separated in cation-exchange mode on a Primesep S2 column. Primesep S2 column is a HILIC/cation-exchange column that can be operated in HILIC, cation-exchange, and anion-exclusion modes. Method and column are compatible with ELSD/LC/MS and UV and can be used for routine analysis of polar molecules.

Method Parameters

Column	Primesep S2, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O – 5/95%
Buffer	AmAc pH 5.0 15 mM
Flow Rate	1.0 mL/min
Detection	UV, 270 nm

Quelle: <https://sielc.com/Application-HPLC-Separation-of-Aminobiphenyl-Isomers-in-Cation-Exchange-Mode>