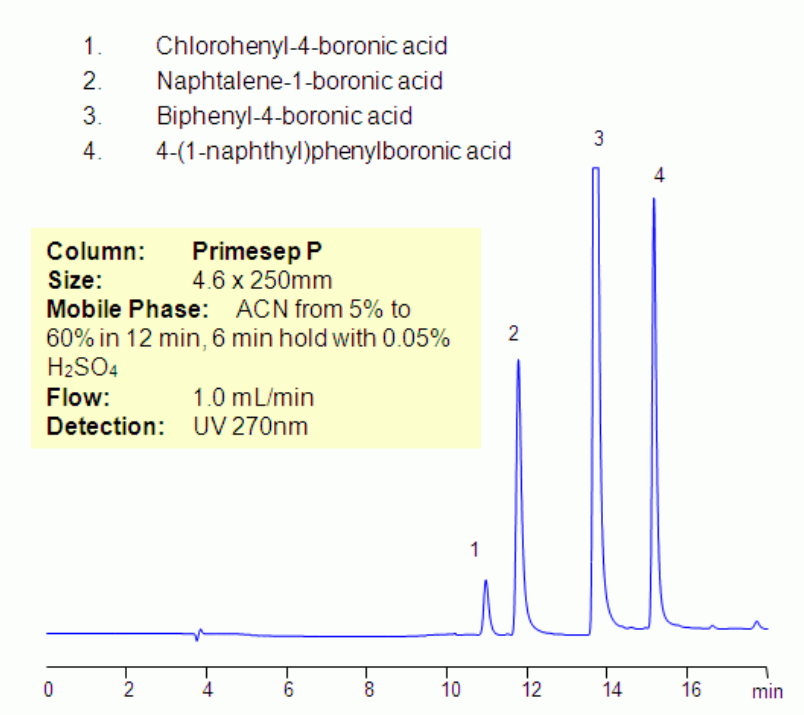
## HPLC Separation of Aromatic Boronic Acids on Primesep P




Boronic acid is alkyl, or aryl substituted, boric acid. Boronic acid can form complexes with sugars, amines, and amino acids. Four aromatic boronic acids were separated on a Primesep P mixed-mode reversed-phase cation-exchange column. Primesep P column also has an aromatic fragment which provides pi-pi interaction. Compounds can be monitored by UV, ELSD, CAD and LC/MS. Various mobile phases can be employed for HPLC analysis of boronic acids.

### Method Parameters

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|---|---|
| **Column** | Primesep P, 4.6×150 mm, 5 µm, 100 Å |
| **Mobile Phase** | MeCN/H2O |
| **Buffer** | H2SO4 |
| **Flow Rate** | 1.0 mL/min |
| **Detection** | UV 270 nm |

Quelle: https://sielc.com/Application-HPLC-Separation-of-Aromatic-Boronic-Acids