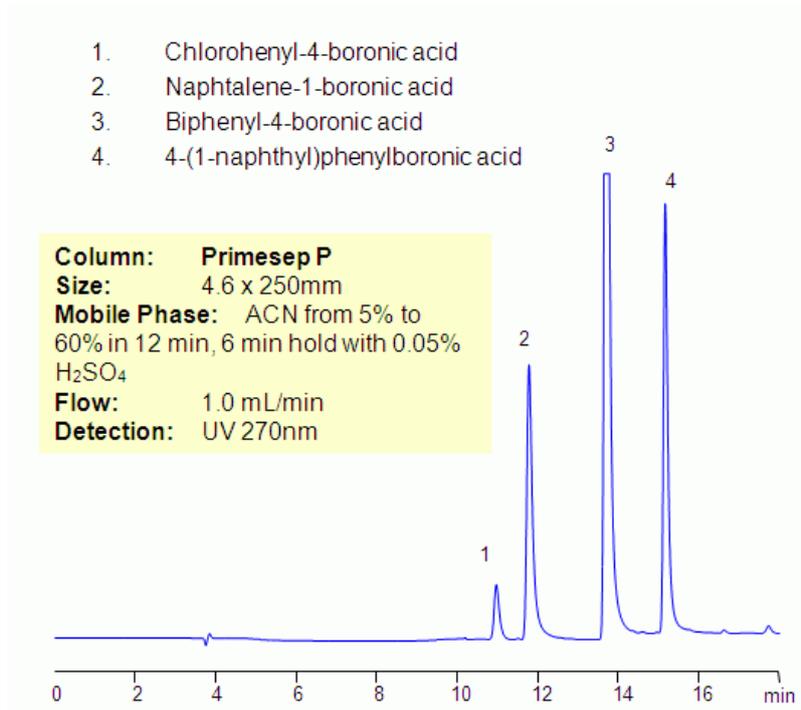


HPLC Separation of Aromatic Boronic Acids on Primesep P



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

Column	Primesep P, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O
Buffer	H ₂ SO ₄
Flow Rate	1.0 mL/min
Detection	UV 270 nm

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