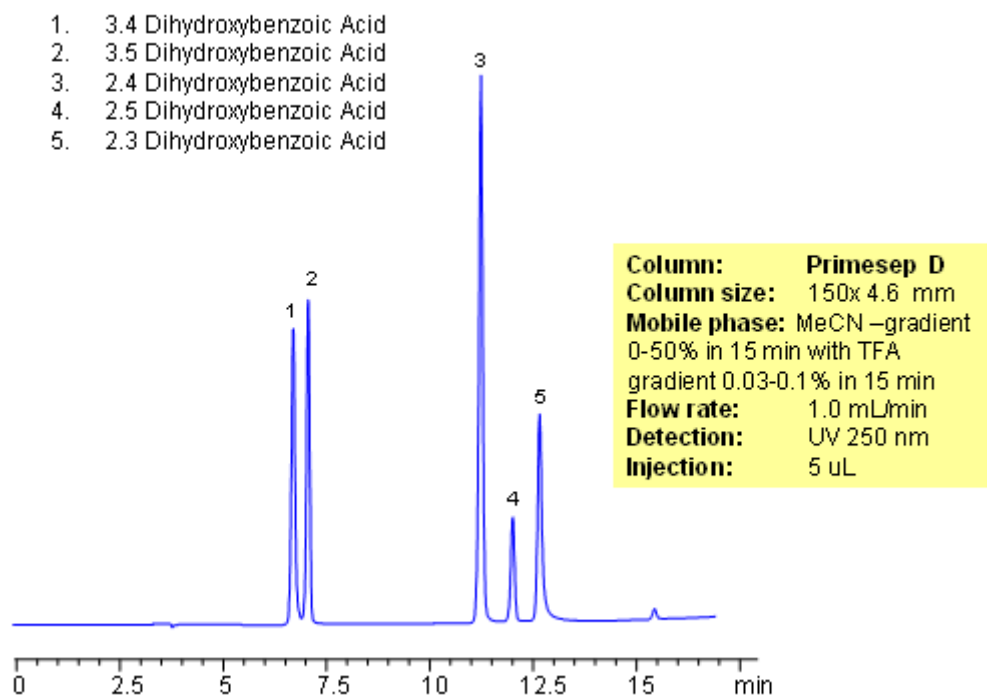


HPLC Separation of Dihydroxybenzoic Acid

<https://sielc.com/Application-HPLC-Separation-of-Dihydroxybenzoic-Acid>

Chromatogram



Description

Separation of hydrophilic isomers is very difficult when only one mechanism of retention, like reversed-phase, is available. Isomers have very similar hydrophobic properties. In case of mixed-mode chromatography, small difference in hydrophobic and ionic properties allows to separate isomers. Isomers of dihydroxybenzoic acids are separated on a Primesep D column with good selectivity and peak shape. This method can be used for separation of other hydrophilic acidic compounds as well as hydrophobic basic compound.

Method Parameters

Mobile Phase	MeCN
Buffer	TFA
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Vitamin, Supplements
Analyzing Compounds	3,4-dihydroxybenzoic acid, 3,5-dihydroxybenzoic acid, 2,4-dihydroxybenzoic acid, 2,5-dihydroxybenzoic acid, 2,3-dihydroxybenzoic acid

HPLC Column Used

Primesep D, 4.6x150 mm, 5 µm, 100A

[Order this column at hplc-shop.de](http://hplc-shop.de) →