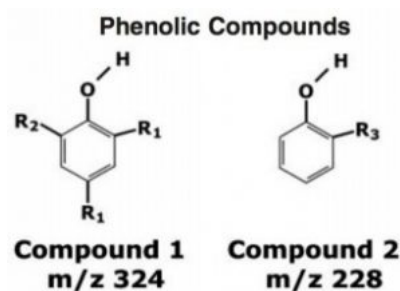
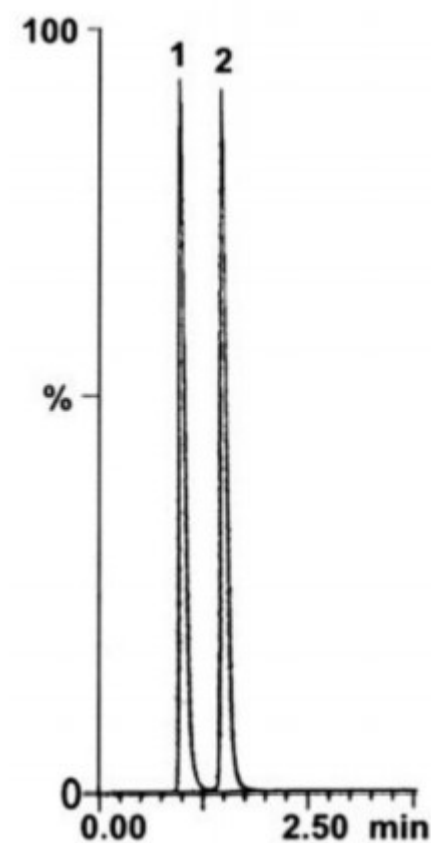


Substituted Phenols Analyzed with LCMS – AppNote

Separation by Functional Groups

Two proprietary compounds, which are precursors for a catalyst or Prodrugs are analyzed using a C18 Column under Normal Phase conditions. Separation of the two compounds is extremely reproducible (%RSD 0.1) and is very easy. The amount of moisture in your Mobile Phase is not an issue with this Method.



Peaks:

1. Compound 1
2. Compound 2

Method Conditions

Column: Cogent Bidentate C18™, 4μm, 100Å

Catalog No.: 40018-75P

Dimensions: 4.6 x 75mm

Mobile Phase: 95% Hexane / 5% Ethyl Acetate

Injection vol.: 1µL

Flow rate: 1mL / minute

Detection: Mass Spectrometer - Atmospheric Pressure Chemical Ionization in positive mode: APCI+ Single Ion Monitoring

Sample Preparation: 1mg / mL of proprietary compound. 1 (m/z 324) and 2 (m/z 228) dissolved in the Mobile Phase.

Notes: Because silanols on the Silica surface are substituted with Si-H, Water is not retained by the Stationary Phase, so drying of all the Solvents is not essential and analyses are very reproducible.



Attachment

No 23 Substituted Phenols Analyzed with HPLC pdf 0.2 Mb [Download File](#)

Printed from the Chrom Resource Center

MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com

Date: 05-19-2024