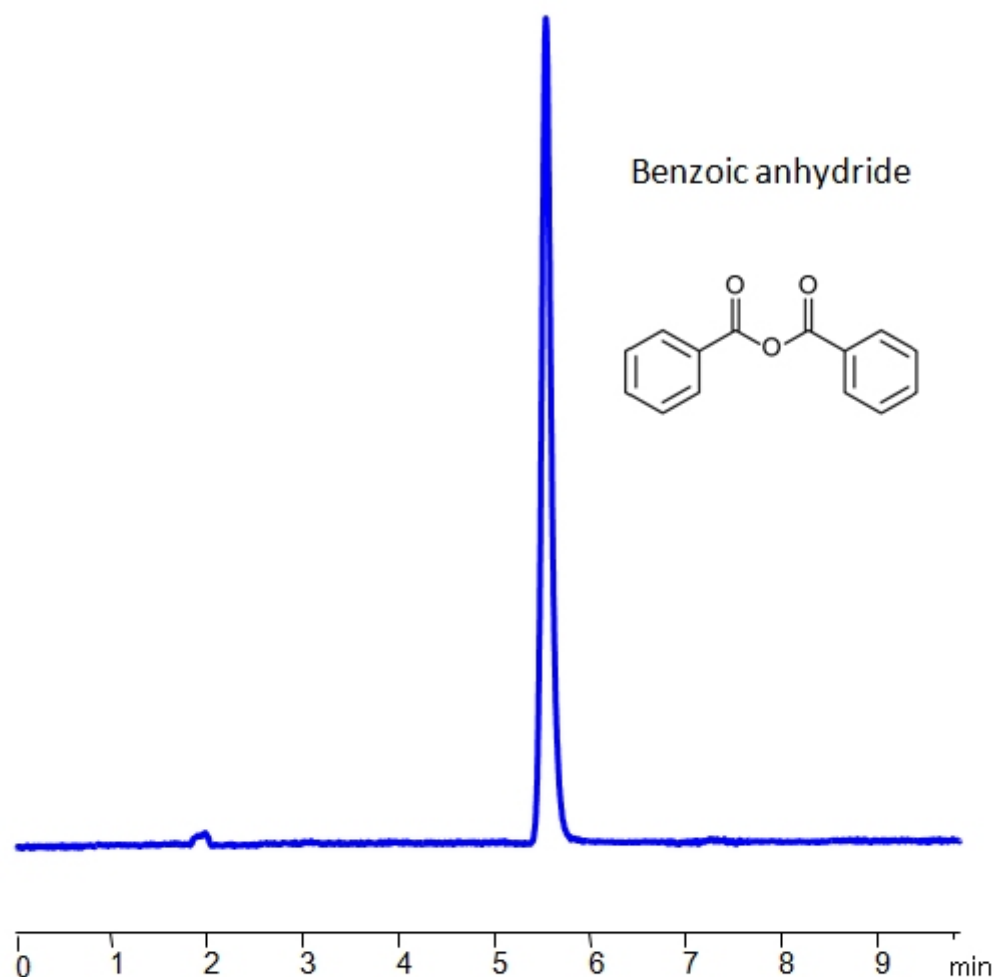


HPLC Determination of Benzoic Anhydride on Newcrom R1 Column

<https://sielc.com/hplc-determination-of-benzoic-anhydride>

Chromatogram



Column:	Newcrom R1
Column size:	4.6 × 150 mm, 5 µm
Column part number:	NR1-46.150.0510
Mobile phase:	MeCN/H ₂ O – 70/30%
Buffer:	No
Flow rate:	1.0 mL/min
Detection:	UV 275 nm

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Benzoic Anhydride.

Benzoic Anhydride is the more active analogue of benzoic acid formed via dehydration. It has the chemical formula C₁₄H₁₀O₃. Benzoic anhydride is used as a benzoylating agent in the manufacture of pharmaceuticals, intermediates and dyes. It is considered the simplest symmetrical aromatic acid anhydride.

Benzoic Anhydride can be retained in HPLC on Newcrom R1 reverse-phase column with the simple isocratic mobile phase consisting of acetonitrile (MeCN), water and detected by UV, ELSD, CAD or LC/MS.

Method Parameters

Mobile Phase	MeCN – 70%
Buffer	No
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Class of Compounds	Hydrophobic
Analyzing Compounds	Benzoic anhydride

HPLC Column Used

Newcrom R1, 4.6 x 150 mm, 5 µm, 100 A, dual ended

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