

Hydroxyisophthalic Acid

Waters Corporation



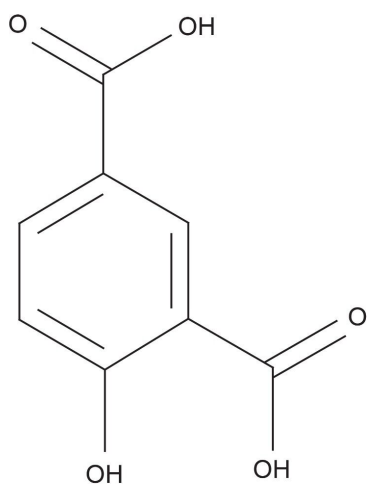
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of hydroxyisophthalic acid using XTerra Columns.

Introduction

The compound analyzed in this study is hydroxyisophthalic acid.



Hydroxyisophthalic acid

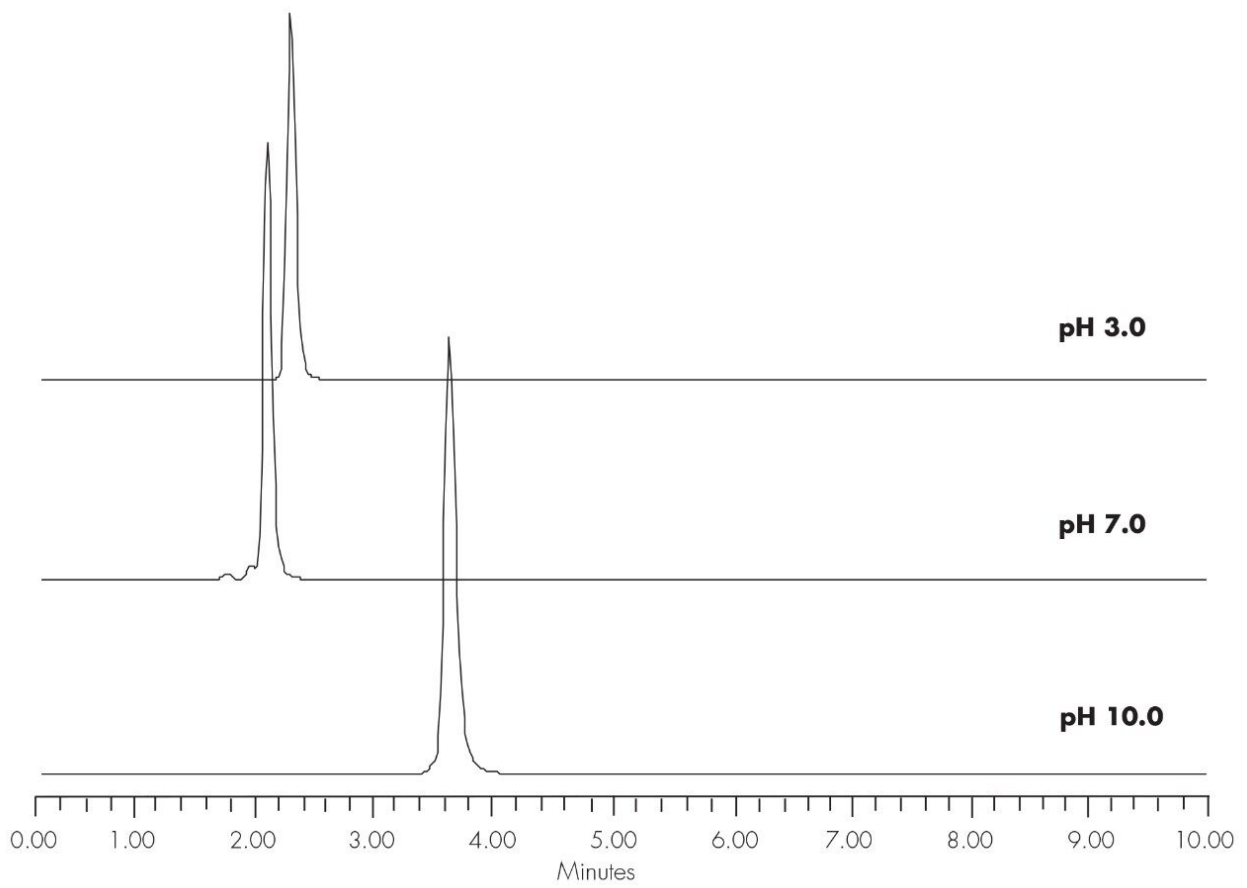
Experimental

Conditions

| | |
|---------------|---|
| Column: | XTerra RP ₁₈ 4.6 x 150 mm, 5 μm |
| Part number: | 186000492 |
| Mobile phase: | pH 3.0: H ₂ O/ACN/100 mM NH ₄ COOH, pH 3.0 60:30:10 pH 7.0: H ₂ O/ACN/100 mM NH ₄ HCO ₃ , pH 7.0 90:0:10 pH 10.0 H ₂ O/ACN/100 mM NH ₄ HCO ₃ , pH 10.0 90:0:10 |

| | |
|-------------------|-----------------------------|
| Flow rate: | 1.0 mL/min |
| Injection volume: | 5 μ L of 250 μ g/mL |
| Temperature: | 30 $^{\circ}$ C |
| Detection: | UV @ 260 nm |
| Instrument: | Alliance 2695, 2996 PDA |
| Mobile Phase pH | USP Tailing |
| 3.0 | 1.17 |
| 7.0 | 1.23 |
| 10.0 | 1.23 |

Results and Discussion



Featured Products

Alliance HPLC System <<https://www.waters.com/534293>>

2998 Photodiode Array (PDA) Detector <<https://www.waters.com/1001362>>

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