

Application Report 85

Analysis of Analgesics Using Ascentis™ C18

This application demonstrates the suitability of Ascentis C18 for the efficient separation of the analgesics 4-acetamidophenol and gentisic acid by HPLC.

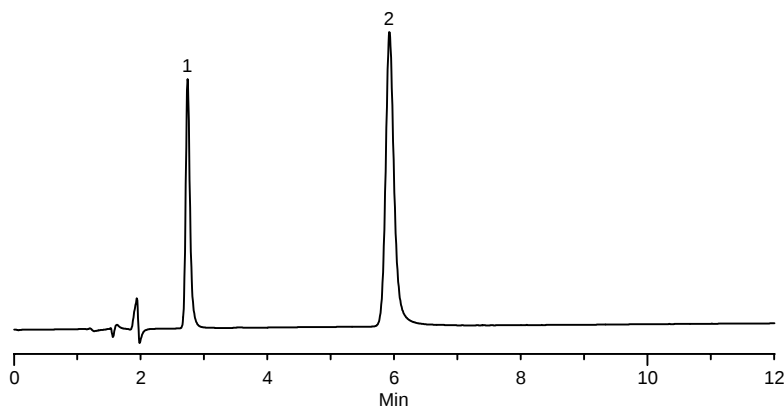
Key Words

Ascentis C18, 4-acetamidophenol, A7302, 103-90-2, acetaminophen, gentisic acid, G5254, 490-79-9, 581324-U, analgesics

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Acquisition System: Waters Alliance
2690 ID 9371

Notebook Reference: 1486-91



G002354

Conditions

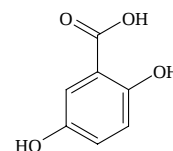
column: Ascentis C18, 15 cm x 4.6 mm I.D., 5 µm particles (581324-U)
mobile phase: 85:15, 20 mM phosphoric acid (pH 2.0, unadjusted):acetonitrile
flow rate: 1 mL/min.
temp.: 35 °C
det.: UV, 220 nm
injection: 10 µL
sample: 50 µg/mL each in mobile phase

Peak IDs

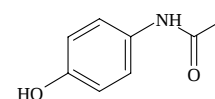
1. Acetaminophen
2. Gentisic acid

Structures

Gentisic acid - G002341



Acetaminophen - G002257



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