

Application Report 88

Analysis of Anticholinergics Using Ascentis™ C18

This application demonstrates the suitability of Ascentis C18 for the efficient separation of anticholinergics scopolamine and methyl scopolamine by HPLC.

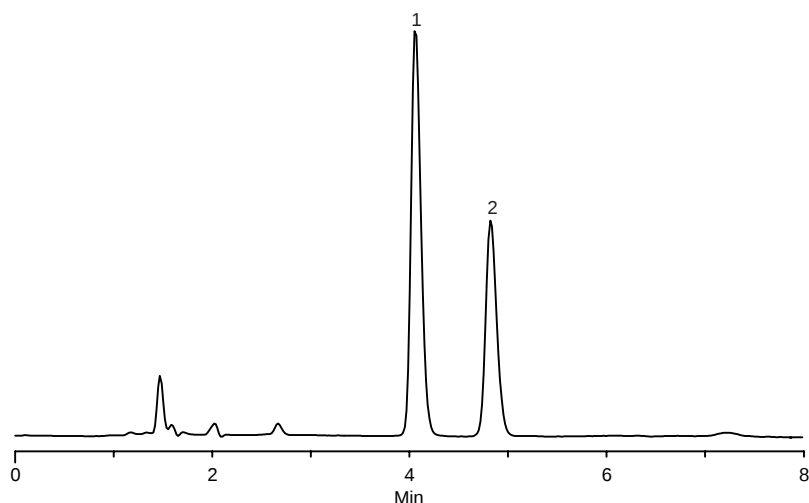
Key Words

Ascentis C18, methyl scopolamine, methscopolamine, 155-41-9, S8502, scopolamine, 55-16-3, S1013, 581324-U

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Acquisition System: Waters Alliance
2690 ID 9371

Notebook Reference: 1486-94



G002351

Conditions

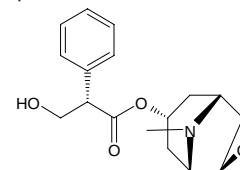
column: Ascentis C18, 15 cm x 4.6 mm I.D., 5 µm particles (581324-U)
mobile phase: 85:15, 10 mM monobasic potassium phosphate
(pH 3.0 with phosphoric acid):acetonitrile
flow rate: 1 mL/min.
temp.: 35 °C
det.: UV at 220 nm
injection: 10 µL
sample: 50 µg/mL each in mobile phase

Peak IDs

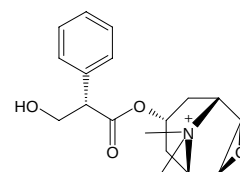
1. Scopolamine
2. Methyl scopolamine

Structures

Scopolamine - G002353



Methyl Scopolamine - G002352



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