

Application Report 40

Analysis of Selegiline and its Amphetamine Metabolites on Discovery HS F5

This application demonstrates the suitability of Discovery HS F5 for the analysis of selegiline and its amphetamine metabolites. Structures along with the optimized chromatogram obtained on Discovery HS F5 are presented below.

Key Words

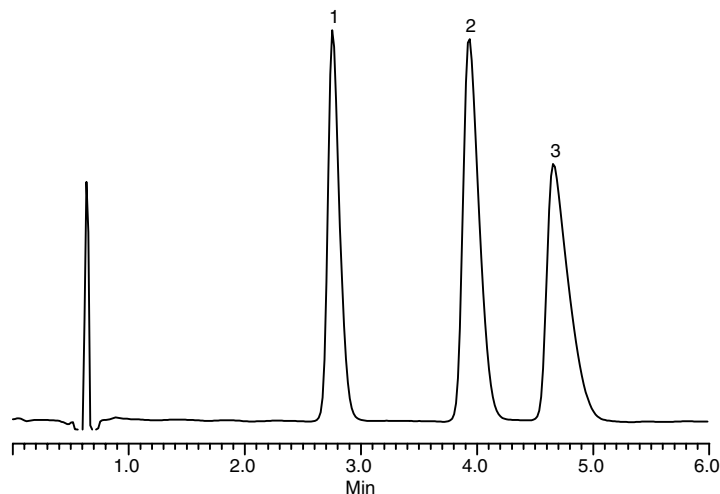
Selegiline, M-003, deprenyl, amphetamine, A-2262, methamphetamine, M-5260, Discovery HS F5, 567513-U

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Raw Data File Name: Project "s_wyatt", Result ID #6638

Acquisition System: Lab 35, Waters Alliance

Notebook Reference: 1445-44



G002136

Conditions

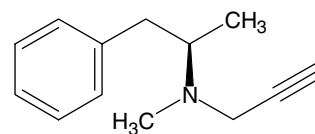
Column: Discovery HS F5, 5cm x 4.6mm ID, 5µm
Cat. No.: 567513-U
Mobile Phase: 25:75 water (10mM ammonium acetate, pH 4.0 with acetic acid):CH₃CN (v/v)
Temperature: 40°C
Flow Rate: 1.0mL/min
Detection: UV, 210nm
Injection Volume: 10µL
Sample: 50µg/mL each in mobile phase

Peak IDs

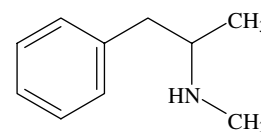
1. Selegiline
2. Methamphetamine
3. Amphetamine

Structures

Selegiline - G002132



Methamphetamine - G002035



Amphetamine - G002037

