Application Report 33

Analysis of Norepinephrine and 3,4-dihydroxyphenyl glycol on Discovery HS F5

This application demonstrates the suitability of Discovery HS F5 for the analysis of Norepinephrine (NE) and 3,4-dihydroxyphenyl glycol (DHPG). Norepinephrine and 3,4-dihydroxyphenyl glycol structures along with the optimized chromatogram obtained on Discovery HS F5 are presented below.

Author: Shawn R. Wyatt

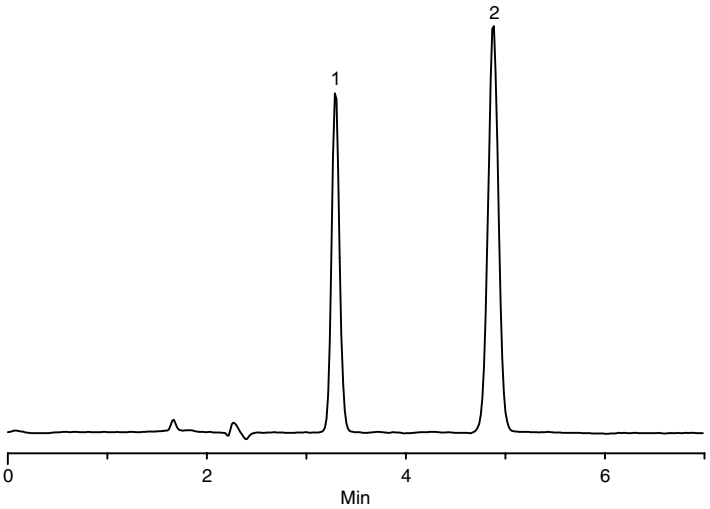
Raw Data File Name: Project "s_wyatt", Result ID #4274

Acquisition System: Lab 35, Waters Alliance

Notebook Reference: 1445-34

Key Words

norepinephrine, noradrenaline, levarterenol, NE, N5785, 69815-49-2, 3,4-dihydroxyphenyl glycol, DHPG, D9753, 28822-73-3, Discovery HS F5, 567516-U



G002096

Conditions

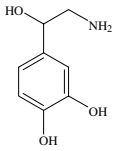
Column:	Discovery HS F5, 15cm x 4.6mm ID, 5µm
Cat. No.:	567516-U
Mobile Phase:	50 mM ammonium formate, pH to 3 with formic acid
Temperature:	35°C
Flow Rate:	1.0mL/min
Detection:	UV, 266nm
Injection Volume:	10µL
Sample:	50µg/mL each (NE and DHPG) in 5% methanol in mobile phase

Peak IDs

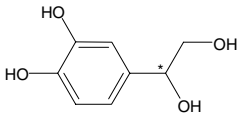
1. Norepinephrine (NE)
2. 3,4-Dihydroxyphenyl glycol (DHPG)

Structures

Norepinephrine - G000559



3,4-dihydroxyphenyl glycol (DHPG) - G000769



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