Application Report 321

Analysis of the Anabolic Androgenic Steroid Methandienone and Hydroxy Metabolite Using Ascentis™ C8

This application demonstrates the suitability of the Ascentis C8 for the analysis of the anabolic androgenic steroid methandienone and its metabolite 6-β-hydroxymethandienone. Structures along with the optimized chromatogram obtained on the Ascentis C8 are presented.

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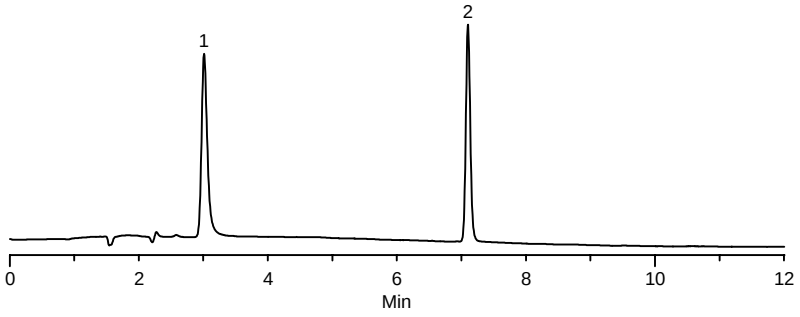
Notebook Reference: 1558

Key Words

methandienone, 55609, 72-63-9, 6-β-hydroxymethandienone, Ascentis C8, 581424-U



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Conditions

column: Ascentis C8, 15 cm x 4.6 mm I.D., 5 µm particles (581424-U)
mobile phase A: water
mobile phase B: acetonitrile
flow rate: 1.0 mL/min.
temp.: 35 °C
det.: UV at 254nm
injection: 10 µL
sample: as indicated 60:40, water:acetonitrile
gradient:

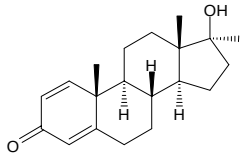
Min	%A	%B
0	60	40
2	60	40
10	0	100
12	0	100

Peak IDs

1. 6-β-hydroxymethandienon (50 µg/mL)
2. Methandienone (50 µg/mL)

Structures

6-β-hydroxymethandienon - G003234



Methandienone - G003240