

Dermorphin in Equine Urine by LC-MS/MS

Application #AN1040

Conditions

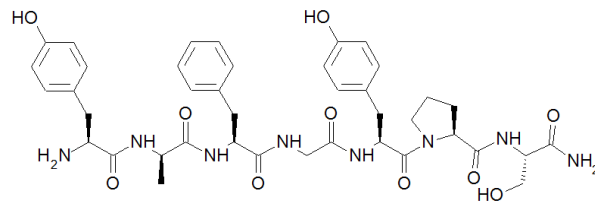
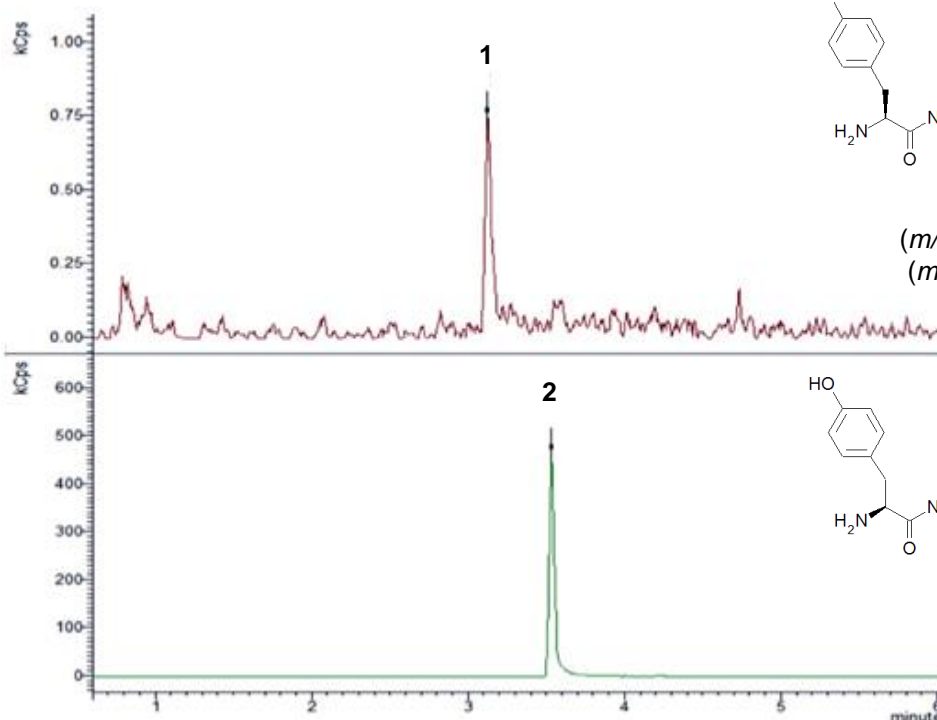
Column: ACE 3 C18
Dimensions: 100 x 2.1 mm
Part Number: ACE-111-1002
Mobile Phase: A: 0.2% formic acid in H₂O
B: 0.2% formic acid in MeCN

Time (mins)	%B
0.00	5
0.20	5
8.00	95
8.50	95
8.51	5
12.50	5

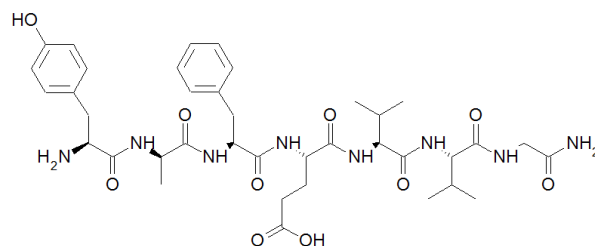
Flow Rate: 0.4 mL/min
Injection: 40 µL
Detection: Bruker EVOQ Elite triple quad MS
VIP heated-ESI temperature: 350 °C
Cone gas temperature: 250 °C
Spray voltage: +4000 V

Accurate quantification of dermorphin in equine urine in range 0.05 – 100 ng/mL

LLOQ = 0.05 ng/mL



1. Dermorphin
(*m/z* 803.4 → 602 (Quantifier ion))
(*m/z* 803.4 → 202 (Qualifier ion))



2. Deltorphin-II (IS)
(*m/z* 783 → 277)