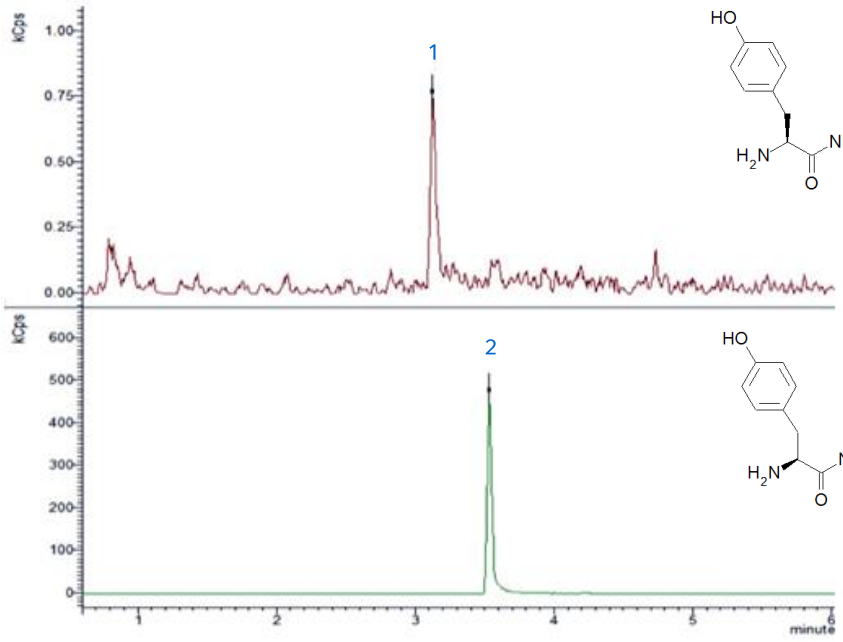
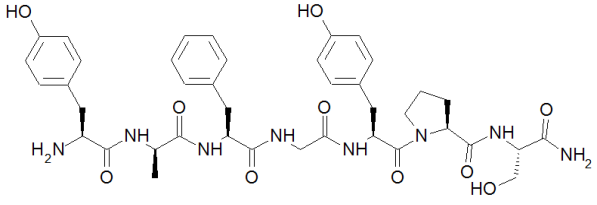
Chromatography Solutions

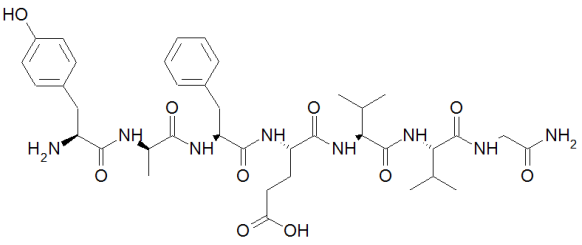
Application note #1040

Dermorphin in Equine Urine by LC-MS/MS





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



2. Deltorphin-II (IS)
(m/z 783 → 277)

Avantor® ACE®

Method Details

CONDITIONS

Column: Avantor® ACE® 3 C18

Particle Size: 3 µm

Dimensions: 100 x 2.1 mm

Mobile Phase: A: 0.2% formic acid in H_2O

B: 0.2% formic acid in MeCN

Gradient:

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

ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® 3 C18	HPLC Column	100 x 2.1 mm	ACE-111-1002

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