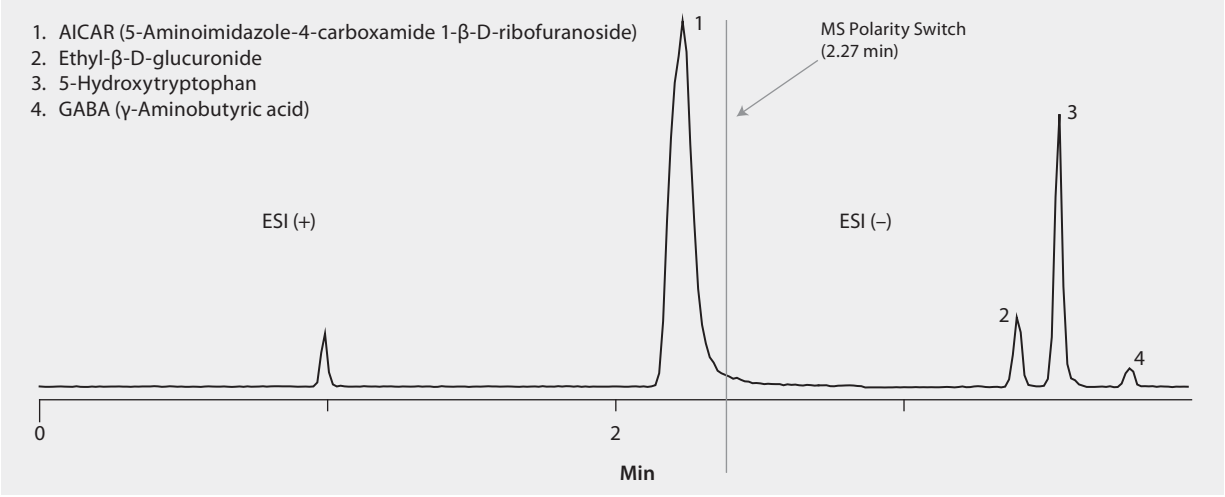
LC/MS Analysis of Equine Performance-Enhancing Dopants GABA and AICAR in Plasma on Ascentis® Express 2.7 µm HILIC after Solid Phase Extraction (SPE) using HybridSPE®-Phospholipid

This study focuses on the analysis of possible dopants used in equine racing, polar compounds requiring HILIC chromatographic separation. The rapid separation of four such compounds is shown here on an Ascentis Express HILIC column. Fluka CHROMASOLV solvents provided clean, robust operation. Cerilliant ethyl-ß-D-glucuronide CRM was used for reliable quantification.

market focus	Clinical Research; Forensics and Toxicology; Veterinary
column	Ascentis Express HILIC, 10 cm x 2.1 mm I.D., 2.7 µm particles (53939-U)
mobile phase	[A] 5 mM ammonium formate in acetonitrile:water (95:5); [B] 5 mM ammonium formate in acetonitrile:water (70:30)
gradient	0 to 70% B in 3 min, held for 1 min
flow rate	0.4 mL/min
column temp.	35 °C
detector	MS, ESI+/ESI-
injection	2 µL
sample	1 µg/mL in acetonitrile
Application No.	G006301



Related Products

analytical column
Ascentis® Express HILIC, 2.7 Micron HPLC Column (Supelco 53939-U)
mobile phase component
Acetonitrile (Fluka 14261)
Ammonium formate (Fluka 70221)
Water (Fluka 14263)
SPE tube or plate
HybridSPE®-PLus 96-Well Plate (Supelco 575659-U)
standard
AICAR (Sigma A9978)
γ-Aminobutyric acid (Sigma A2129)
Ethyl-β-D-glucuronide (Cerilliant E-015)
5-Hydroxy-L-tryptophan (Sigma H9772)