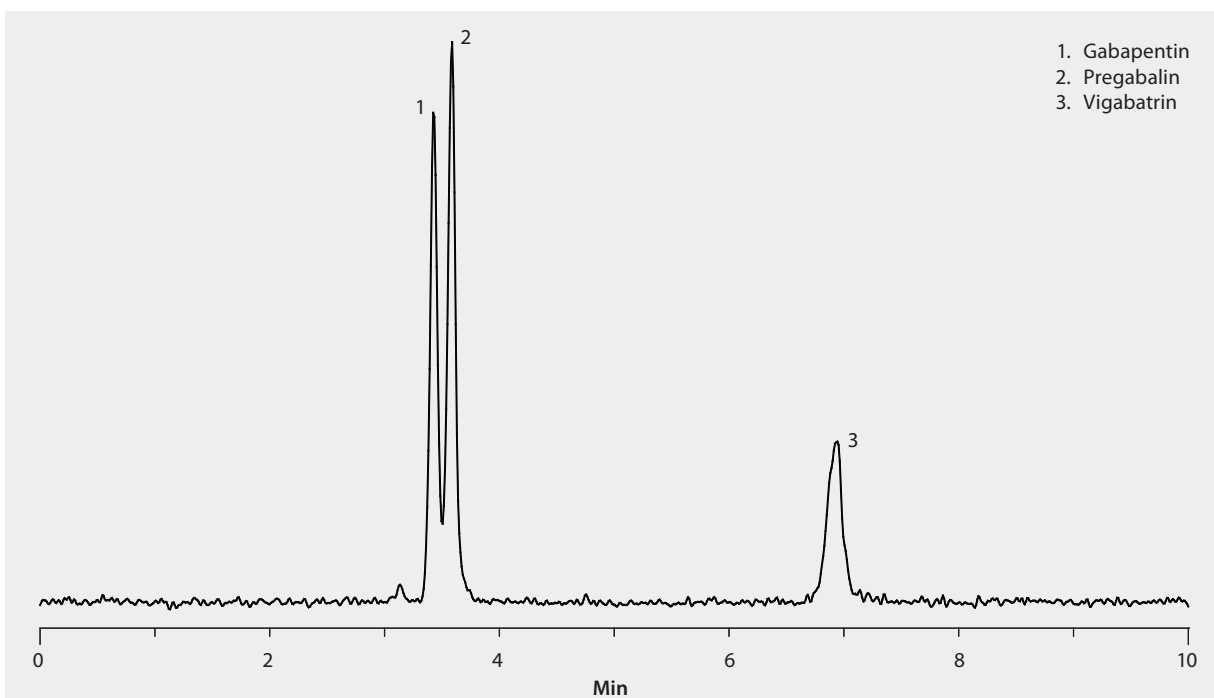


UHPLC/MS Analysis of Anticonvulsants on Ascentis® Express HILIC

The unique selectivity of the Ascentis Express HILIC phase provided rapid LC/MS resolution of these anticonvulsant compounds. Fluka LC-MS Ultra CHROMASOLV solvents were used to supply low background interference and low particulate contaminants for robust, trouble-free operation. Cerilliant CRMs provided reliable identification and quantification.

market focus Pharmaceutical (small molecule)
column Ascentis Express HILIC, 10 cm x 3.0 mm I.D., 2.7 µm particles (53970-U)
mobile phase [A] 5 mM ammonium formate pH unadjusted in 95:5, acetonitrile:water;
[B] 5 mM ammonium formate pH unadjusted in 75:25, acetonitrile:water; (25:75, A:B)
flow rate 0.4 mL/min
pressure 1240 psi (85.5 bar)
column temp. 35 °C
detector MS-ESI-, full scan 100-500 m/z
detector 5 µL
sample 3 anticonvulsants 1 µg/mL in 99:1, acetonitrile:methanol
Application No. G006302



Related Products

analytical column

Ascentis® Express HILIC, 2.7 Micron HPLC Column ([Supelco 53970-U](#))

mobile phase component

Acetonitrile ([Fluka 14261](#))

Ammonium formate ([Fluka 14266](#))

Water ([Fluka 14263](#))

standard

Gabapentin solution ([Cerilliant G-007](#))

Pregabalin solution ([Cerilliant P-066](#))

Vigabatrin solution ([Cerilliant V-022](#))