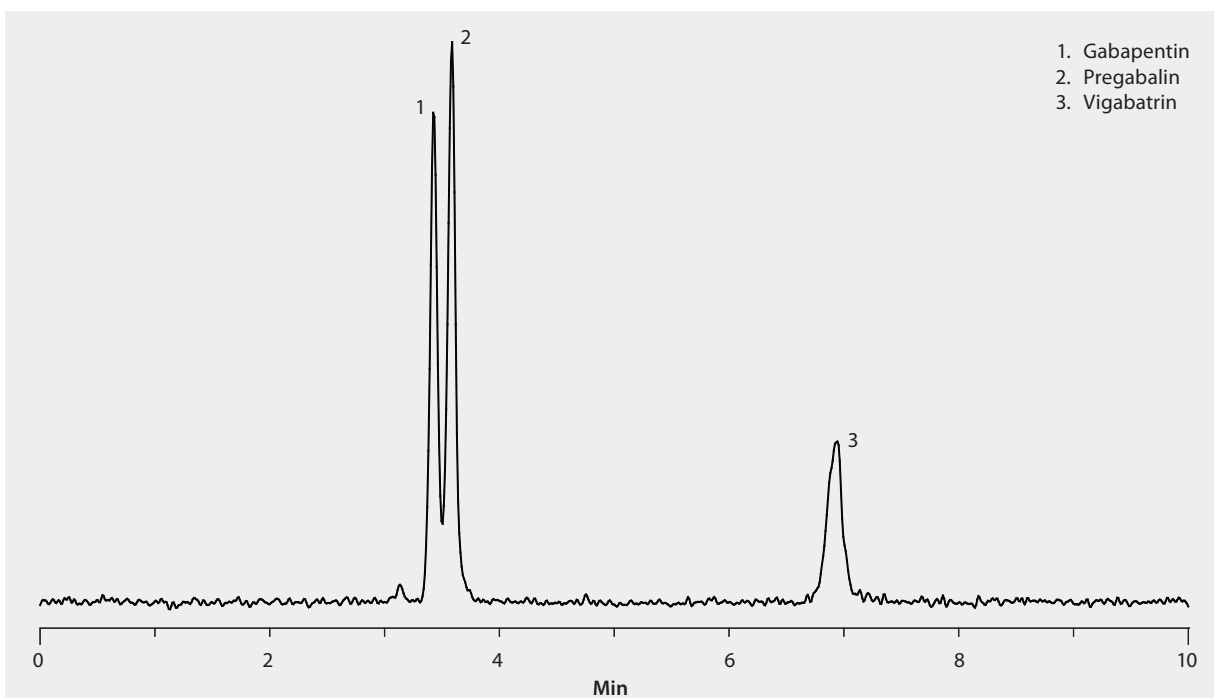


## UHPLC/MS Analysis of Anticonvulsants on Ascentis® Express HILIC

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](#))