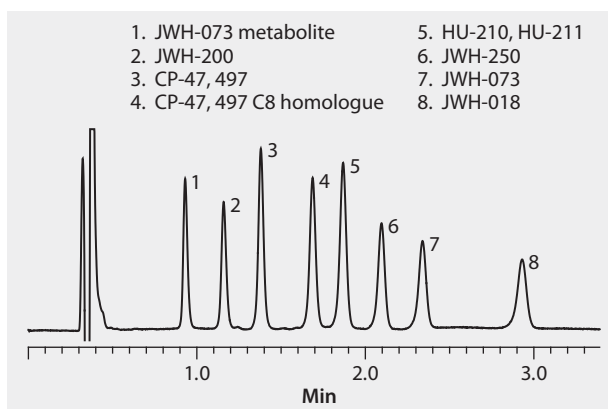


## HPLC Analysis of Spice Cannabinoids on Ascentis® Express 2.7 µm F5

Synthetic cannabinoids (e.g."Spice") are a type of designer drug that provide a cannabis-type high. New synthetic cannabinoids are continually being introduced as suppliers tweak the molecular structures. The ability to rapidly and reliably identify the continually changing population of these compounds is a significant analytical challenge facing forensic chemists. A rapid separation of eight of these compounds on Ascentis Express F5 column is shown here. Cerilliant CRMs provided reliable identification and quantification.

|                 |  |
|-----------------|--|
| market focus    | Forensics and Toxicology   |
| column          | Ascentis Express F5, 10 cm x 2.1 mm I.D., 2.7 µm particles (53569-U)       |
| mobile phase    | [A] 50 mM ammonium formate; [B] water; [C] acetonitrile; (10:35:55, A:B:C) |
| flow rate       | 0.6 mL/min   |
| pressure        | 4075 psi (281 bar)   |
| column temp.    | 30 °C  |
| detector        | UV, 200 nm   |
| injection       | 3 µL   |
| sample          | 100 µg/mL in 45:55 water:acetonitrile                                      |
| Application No. | <a href="#">G005446</a>  |



**Related Products**

**analytical column**  
 Ascentis® Express F5, 2.7 Micron HPLC Column ([Supelco 53569-U](#))  
**eluent**  
 Acetonitrile ([Fluka 14261](#))  
 Ammonium formate ([Fluka 14266](#))  
 Water ([Fluka 14263](#))

**Related Products**

**standard**  
 HU-210 solution ([Cerilliant S-024](#))  
 JWH-018 solution ([Cerilliant S-025](#))  
 JWH-073 solution ([Cerilliant S-027](#))  
 JWH-073 3-Hydroxybutyl metabolite solution ([Cerilliant S-037](#))  
 Spice Cannabinoid Mix solution ([Cerilliant S-038](#))