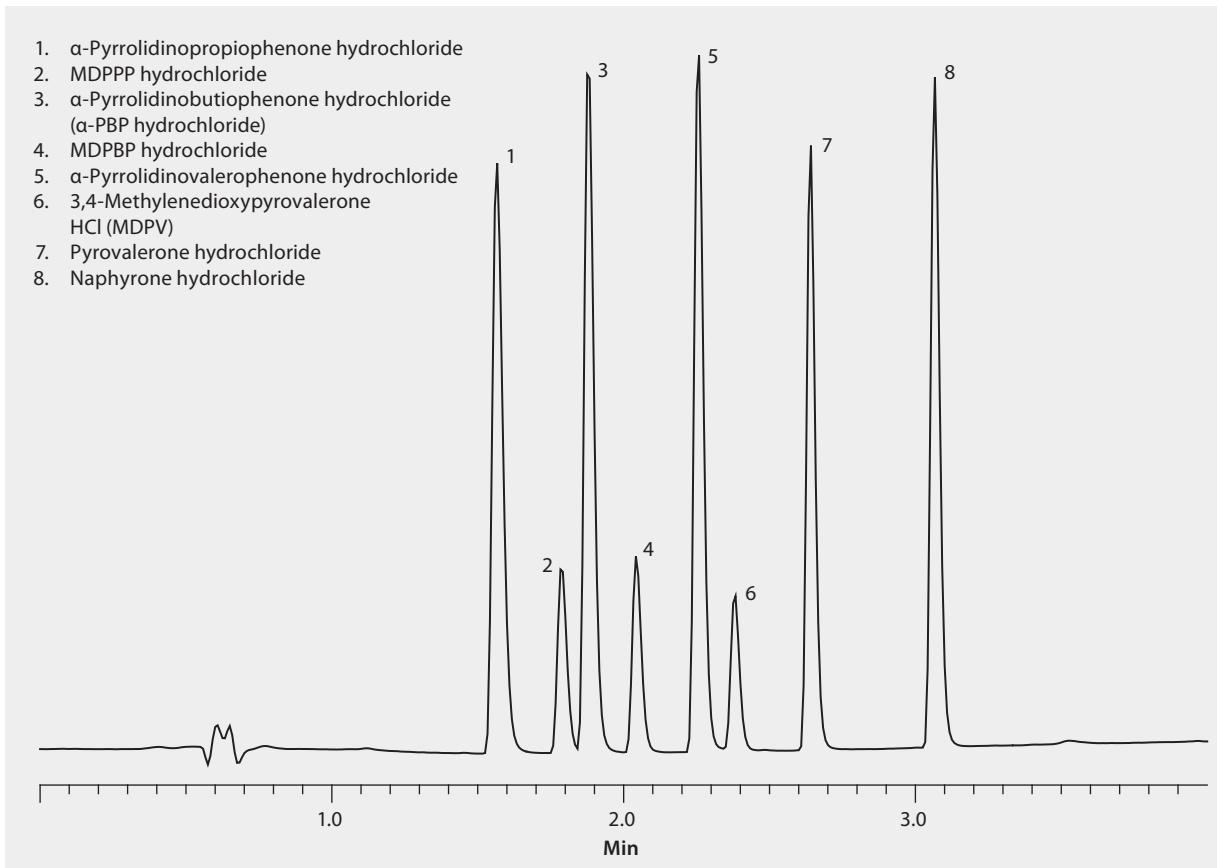


UHPLC Analysis of Flakka and Related Compounds on Ascentis® Express RP-Amide in Reversed-Phase Mode

The rapid gradient separation of the street drug Flakka (α -PVP) and related compounds is shown here on an Ascentis Express RP-Amide column in reversed-phase mode. Highest grade UHPLC solvents were used to supply low background interference and low particulate contamination for robust, trouble-free operation. Cerilliant CRMs provided reliable identification and quantification.

| | |
|-----------------|---|
| market focus | Forensics and Toxicology |
| column | Ascentis Express RP-Amide, 10 cm x 2.1 mm I.D., 2 μ m (51576-U) |
| mobile phase | [A] 0.1% formic acid in water; [B] 0.1% formic acid in acetonitrile |
| gradient | 5% to 95% A in 6 min |
| flow rate | 0.4 mL/min |
| pressure | 6400 psi |
| column temp. | 35 °C |
| detector | UV, 265 nm |
| injection | 1 μ L |
| sample | 50 μ g/mL in 0.1% formic acid in water:0.1% formic acid in acetonitrile (90:10) |
| Application No. | G1006579 |

1. α -Pyrrolidinopropiophenone hydrochloride
2. MDPPP hydrochloride
3. α -Pyrrolidinobutiphenone hydrochloride (α -PBP hydrochloride)
4. MDPBP hydrochloride
5. α -Pyrrolidinovalerophenone hydrochloride
6. 3,4-Methylenedioxypyrovalerone HCl (MDPV)
7. Pyrovalerone hydrochloride
8. Naphyrone hydrochloride



Related Products

- analytical column
Ascentis® Express RP-Amide, 2 Micron UHPLC Column ([Supelco 51576-U](#))
- standard
MDPBP hydrochloride solution ([Cerilliant M-154](#))
MDPPP hydrochloride solution ([Cerilliant M-176](#))
3,4-Methylenedioxypyrovalerone HCl (MDPV) solution ([Cerilliant M-146](#))
Naphyrone hydrochloride ([Cerilliant N-067](#))
Pyrovalerone hydrochloride solution ([Cerilliant P-081](#))
 α -Pyrrolidinobutiphenone hydrochloride solution ([Cerilliant P-110](#))
 α -Pyrrolidinopropiophenone hydrochloride solution ([Cerilliant P-100](#))
 α -Pyrrolidinovalerophenone hydrochloride solution ([Cerilliant P-090](#))