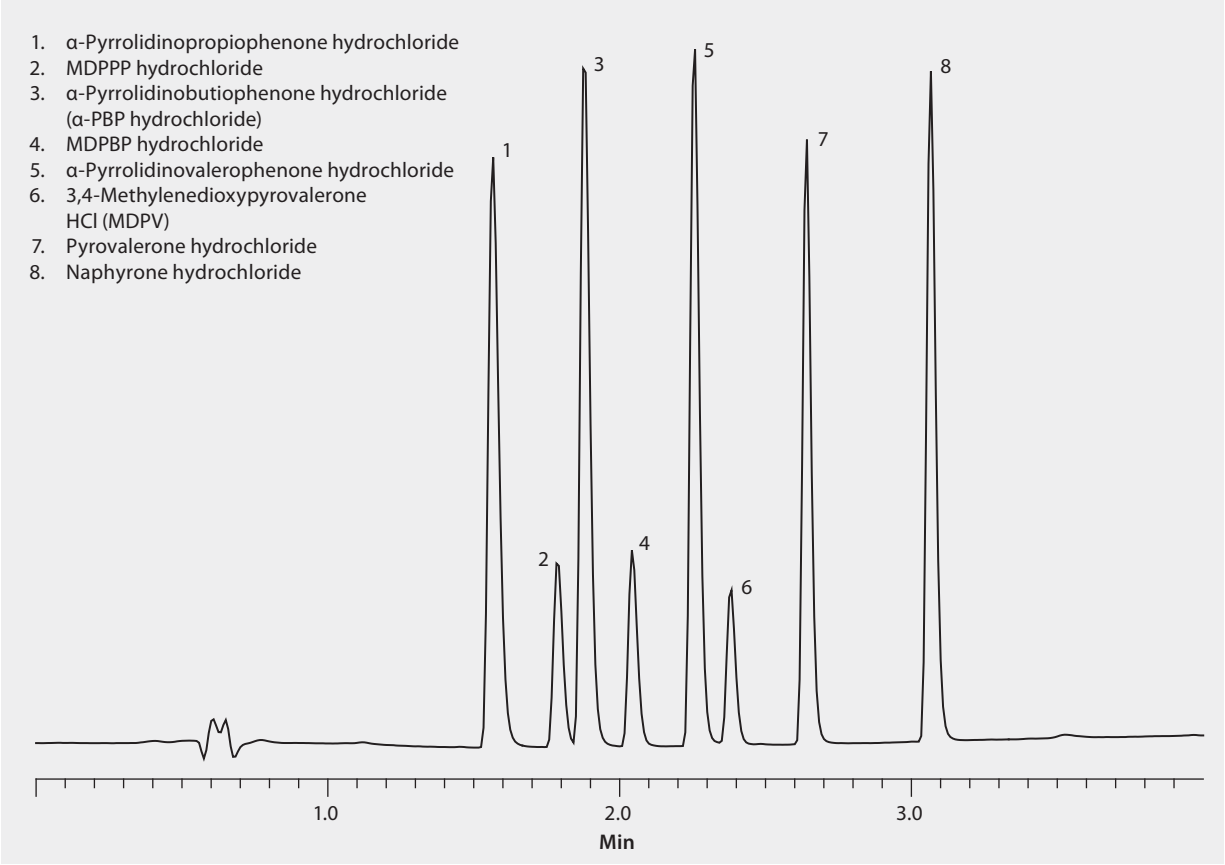
UHPLC Analysis of Flakka and Related Compounds on Ascentis® Express RP-Amide in Reversed-Phase Mode

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 µm (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 µL
sample	50 µg/mL in 0.1% formic acid in water:0.1% formic acid in acetonitrile (90:10)
Application No.	G1006579



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-Pyrrolidinobutiophenone hydrochloride solution (Cerilliant P-110)
α-Pyrrolidinopropiophenone hydrochloride solution (Cerilliant P-100)
α-Pyrrolidinovalerophenone hydrochloride solution (Cerilliant P-090)