

Pristinamycin Components in Plasma by LC-MS/MS

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

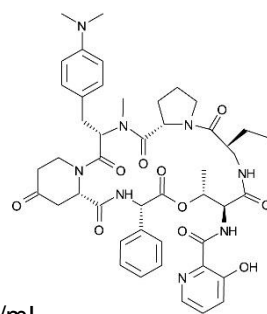
Application #AN1360

Conditions

Column: ACE 3 C18
Dimensions: 30 x 3.0 mm
Part Number: ACE-111-0303
Mobile Phase: A: 1 mM ammonium formate + 0.1% formic acid in MeCN/H₂O (35:65 v/v)
B: MeCN

Time (mins)	%B
0.00	0
0.30	0
0.31	10
1.60	10
1.61	100
2.60	100
2.61	0
4.00	0

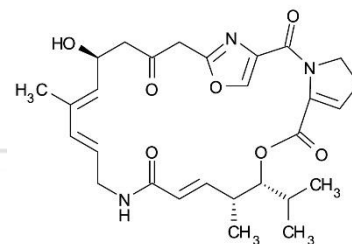
Flow Rate: 1 mL/min
Injection: 10 µL
Temperature: 25 °C
Detection: MDS Sciex API 4000
TurbolonSpray positive mode



Processed study sample containing pristinamycin IA and IIA

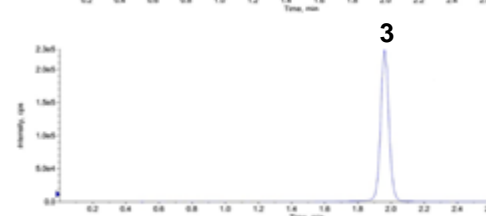
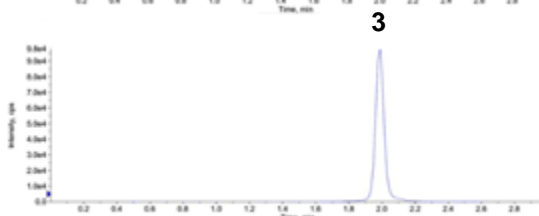
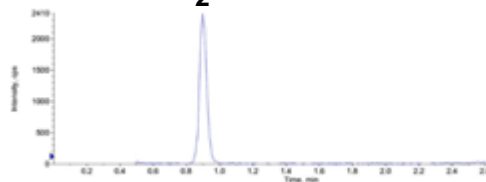
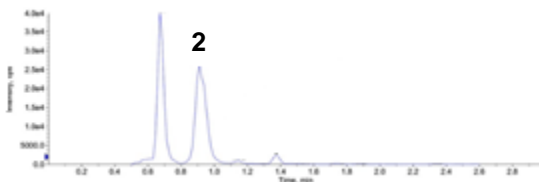
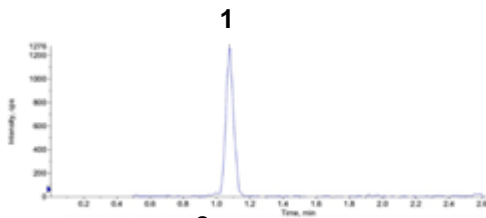
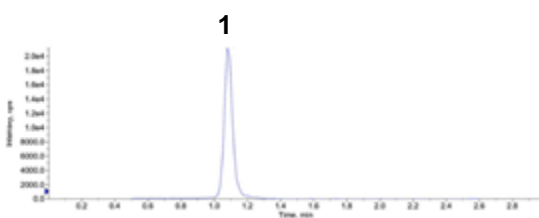
Low calibration standard containing 2.5 ng/mL each of pristinamycin IA and IIA in human NaF/K₂C₂O₄ plasma

1. Pristinamycin IA
(*m/z* 867.5 → 134.2)



2. Pristinamycin IIA
(*m/z* 526.3 → 355.1)

3. Virginiamycin (IS)
(*m/z* 824.6 → 134.0)



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