

Cytarabine Analogues by Ion-Pairing LC-MS/MS

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

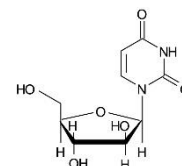
Application #AN2070

Conditions

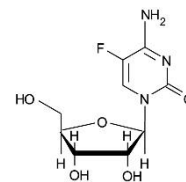
Column: ACE 3 C18
Dimensions: 50 x 2.1 mm
Part Number: ACE-111-0502
Mobile Phase: A: 0.1% perfluoropentanoic acid + 0.1% formic acid in H₂O
B: 0.1% perfluoropentanoic acid + 0.1% formic acid in MeCN

Time (mins)	%B
0.0	0
0.5	0
3.0	13
4.0	90
5.0	0

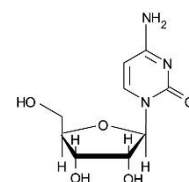
Flow Rate: 0.7 mL/min
Detection: API 4000 MS
TurbolonSpray, positive mode
Source Temperature 550 °C



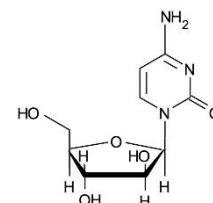
1. Uracil arabinofuranoside
(*m/z* 245 → 113)



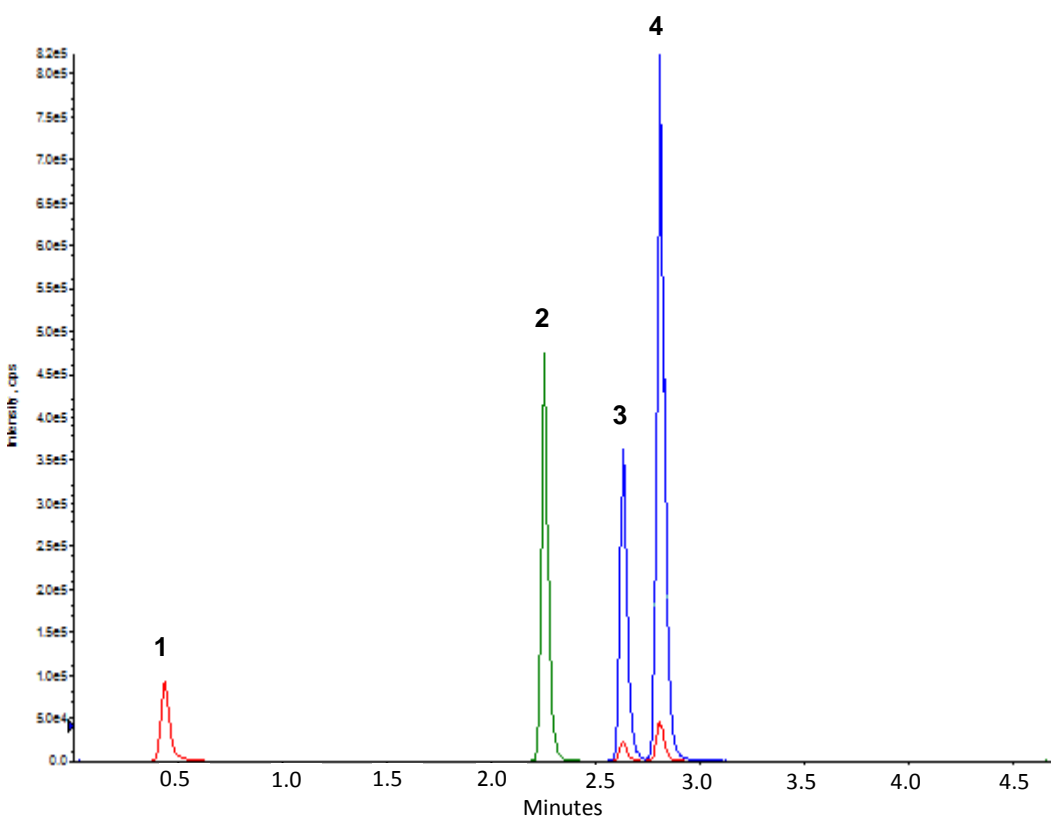
2. 5-Fluorocytidine (IS)
(*m/z* 262 → 130)



3. Cytidine
(*m/z* 244 → 112)



4. Cytarabine
(*m/z* 244 → 112)



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