Cytarabine Analogues by Ion-Pairing LC-MS/MS

ACE® Ultra-inert UHPLC & HPLC Columns

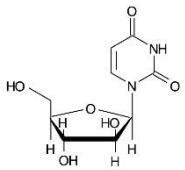
Application #**AN2070**

Conditions

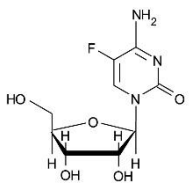
Column:	ACE 3 C18
Dimensions:	50 x 2.1 mm
Part Number:	ACE-111-0502
Mobile Phase:	A: 0.1% perfluoropentanoic acid + 0.1% formic acid in H_2O
	B: 0.1% perfluoropentanoic acid + 0.1% formic acid in MeCN

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

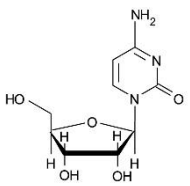
Flow Rate:	0.7 mL/min
Detection:	API 4000 MS
	TurbolonSpray, positive mode
	Source Temperature 550 °C



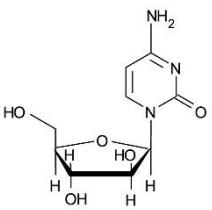
1. Uracil arabinofuranoside (*m/z* 245 → 113)



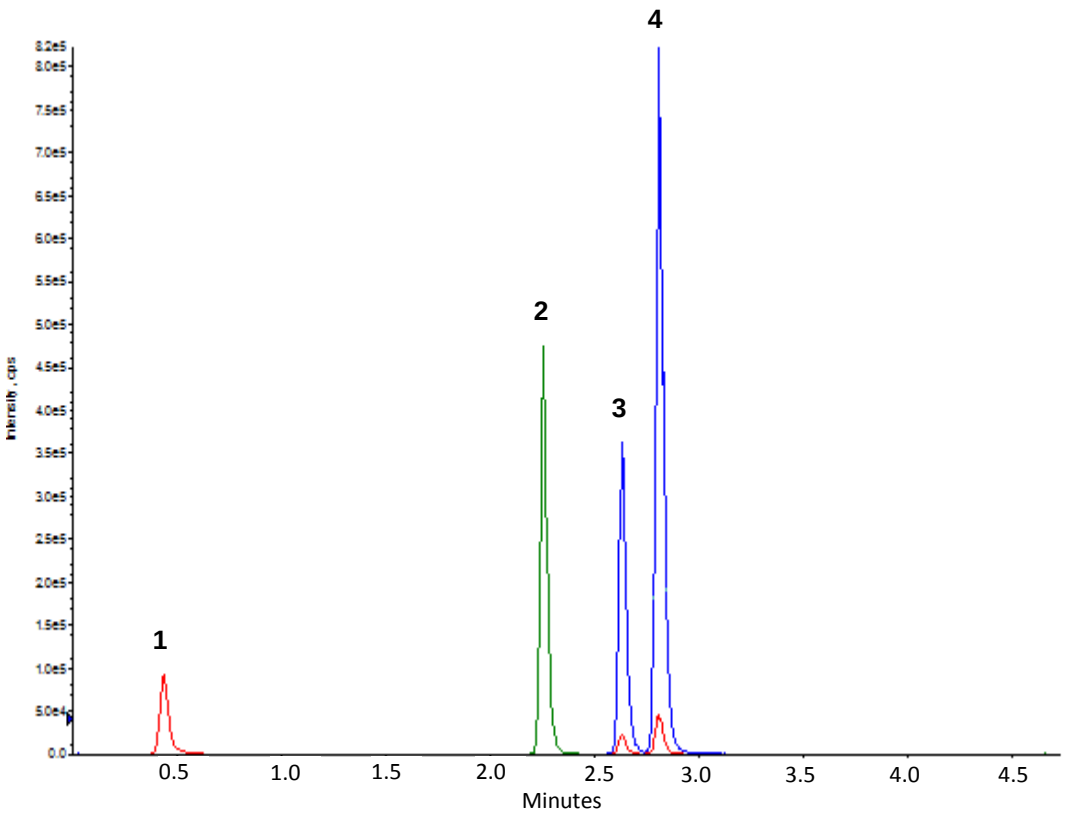
2. 5-Fluorocytidine (IS) (*m/z* 262 → 130)



3. Cytidine (*m/z* 244 → 112)



4. Cytarabine (*m/z* 244 → 112)



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