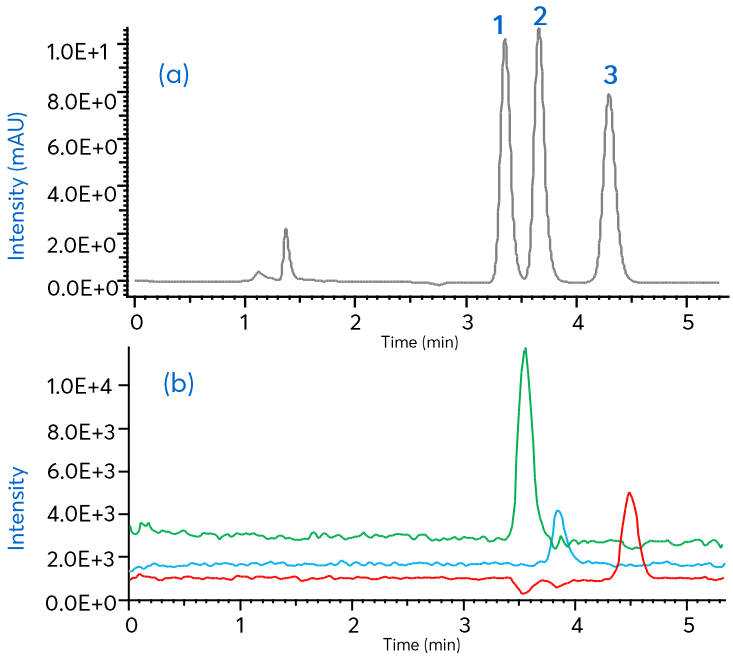
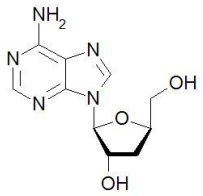
Chromatography Solutions

Application note #4550

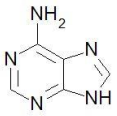
Adenine and Nucleosides using HILIC-MS Mode



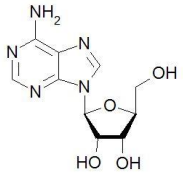
1. Deoxyadenosine (*m/z* 252.4)



2. Adenine (*m/z* 136.1)



3. Adenosine (*m/z* 268.3)



Avantor® ACE®

Method Details

CONDITIONS

Column:	ACE 5 HILIC-N
Dimensions:	150 x 4.6 mm
Mobile Phase:	10 mM ammonium formate pH 4.7 in MeCN/H_2O (90:10 v/v)
Flow Rate:	1.5 mL/min
Injection:	5 µL
Temperature:	25 °C
Detection:	(a) UV, 254 nm
	(b) Chromaster MSD
	SIM Positive ion mode $[M + H]^+$
Instrument:	VWR Hitachi Chromaster and 5610 MSD single quad MS

ORDERING TABLE

Product	Details	Size	Part number
Avantor® ACE® 5 HILIC-N	HPLC column	150 x 4.6 mm	HILN-5-1546U
Acetonitrile	VWR CHROMANORM® gradient grade	2.5 L	83639.320
Water	VWR CHROMANORM® gradient grade	2.5 L	83650.320
Ammonium formate	VWR CHROMANORM® for LC-MS	100 g	84884.180

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