

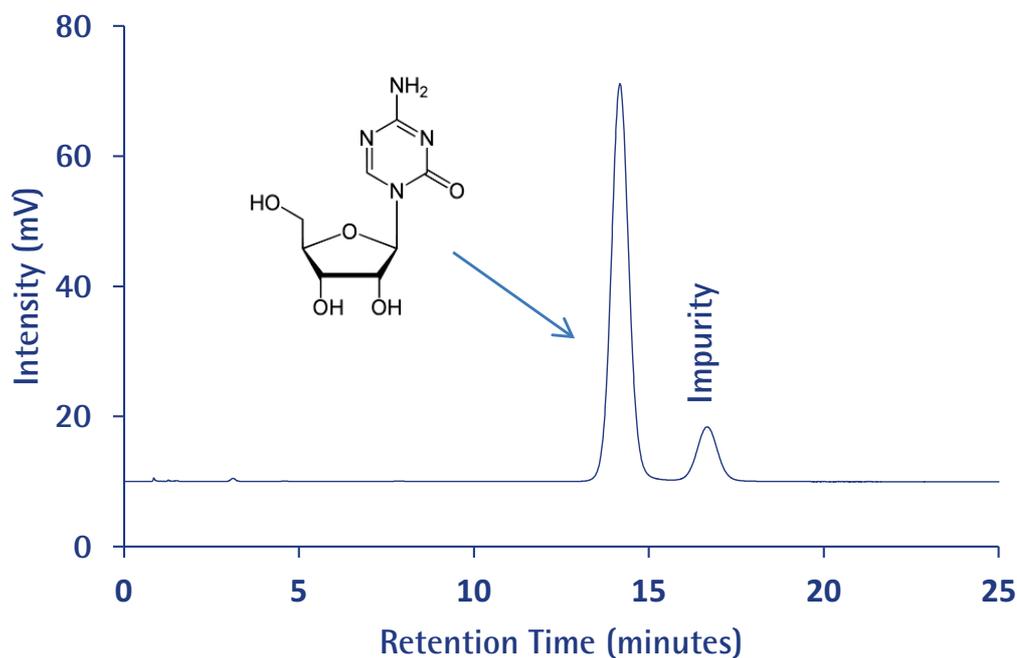
Azacitidine and Related Impurities

SeQuant® ZIC®-HILIC

Chromatographic Conditions

Column: SeQuant® ZIC®-HILIC (5 µm, 200 Å) 150x4.6 mm 1.50455.0001
 Injection: 10 µL
 Detection: UV at 242 nm. Shimadzu Prominence
 Cell: 10 µL
 Flow Rate: 2.0 mL/min.

Mobile Phase (v/v): Dissolve 0.77 g of ammonium acetate in 1L water (10 mM).
 Mix buffer and acetonitrile 10:90 (v/v). Total ionic strength: 1 mM
 Temperature: 25 °C
 Diluent: Mobile phase
 Sample: Weigh 50 mg of sample in 100 ml volumetric flask. Dilute up to the mark with mobile phase.
 Pressure Drop: 57 bar (826 psi)



Chromatographic Data

No.	Compound	Time (min)	Tailing Factor	Resolution
1	Azacitidine	14.2	1.1	-
2	Impurity	16.7	1.0	2.5