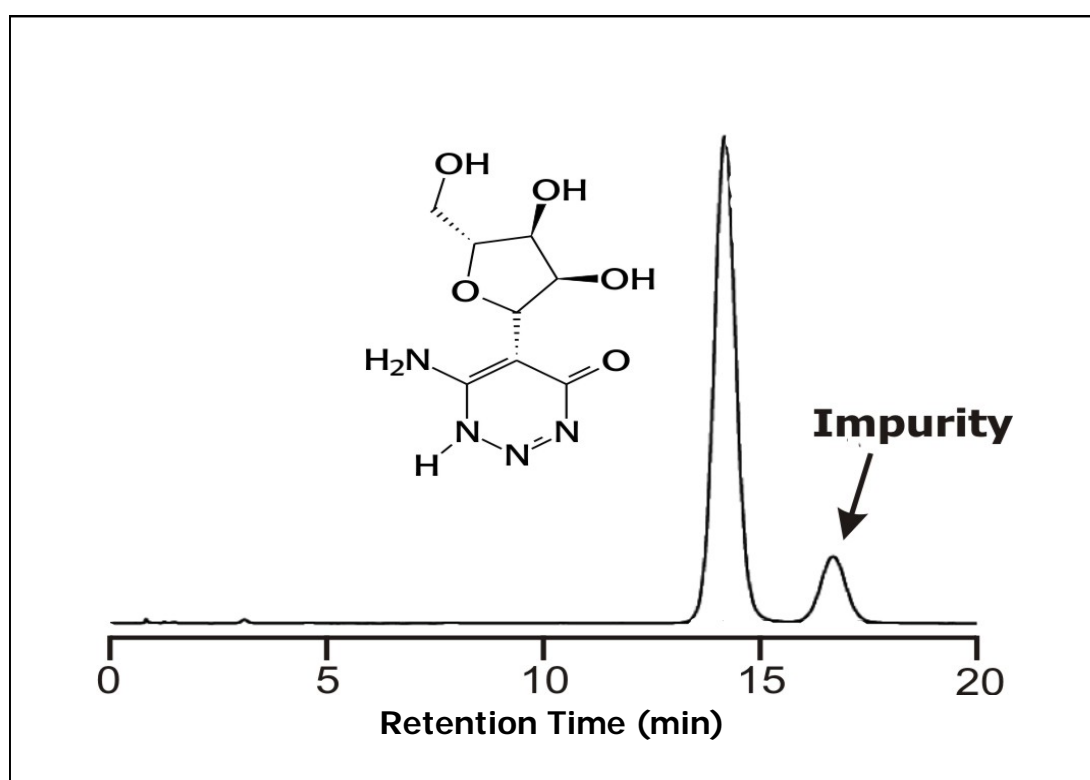


ZIC®-HILIC Separation of Azacitidine

Chromatographic Conditions

Column: ZIC®-HILIC, PEEK 150 x 4.6 mm, 5 µm, 200 Å (P/N 1.50455.0001)
Injection: 10 µL of a 500 ppm solution diluted in mobile phase
Detection: UV @ 242 nm (UFS 1.0 V)
Column Temperature: Ambient
Flow Rate: 2.0 mL/min
Mobile Phase (v/v): 90%, Acetonitrile
10%, Ammonium Acetate 10 mM, pH 6.8
(total ionic strength: 1 mM)



Chromatographic Data

No.	Compound	Time (min)	Retention factor	
	t_0	void volume	0,8	-
1	Azacitidine (LogP: -1.7)	14,2	25,2	
2	impurity	16,7	29,6	

Data provided by Gora Sharangi, Merck Specialities Pvt. Ltd, India.
For more details, contact chromatography@merck.co.in