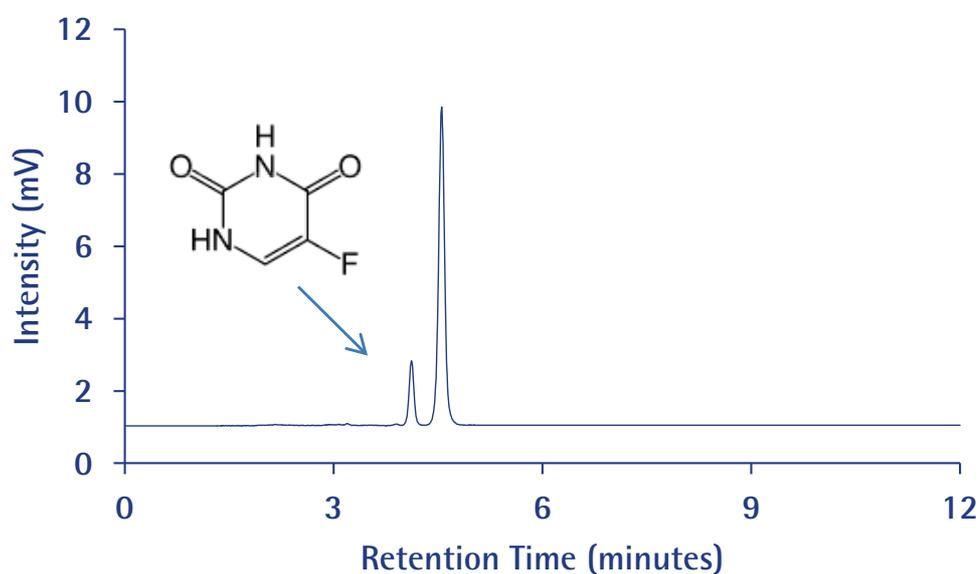


5-Fluorouracil and 5-Fluorouracil Dimer

SeQuant[®] ZIC[®]-HILIC

Chromatographic Conditions

Column:	SeQuant [®] ZIC [®] -HILIC (5 μm, 200 Å) 150x4.6 mm	1.50455.0001
Injection:	10 μL	
Detection:	Shimadzu Prominence, UV@254 nm	
Cell:	10 μl	
Flow Rate:	0.5 mL/min	
Mobile Phase (v/v):	Buffer: Dissolve 1.54 g of ammonium acetate in 1L water (20 mM). Mix acetonitrile and buffer by volume 80:20. Total ionic strength: 4 mM	
Temperature:	25°C	
Diluent	Mobile phase	
Sample:	Weigh 50 mg of each substance in 100 ml volumetric flask. Dilute up to mark with mobile phase. Pipette out 10 ml of the above solution & dilute to 100 ml with mobile phase.	
Pressure Drop:	29 Bar (418 psi)	



Chromatographic Data

No.	Compound	Time	Tailing Factor	Resolution
1	5-Fluorouracil	4.1	1.1	
2	5-Fluorouracil Dimer	4.6	1.1	2.6