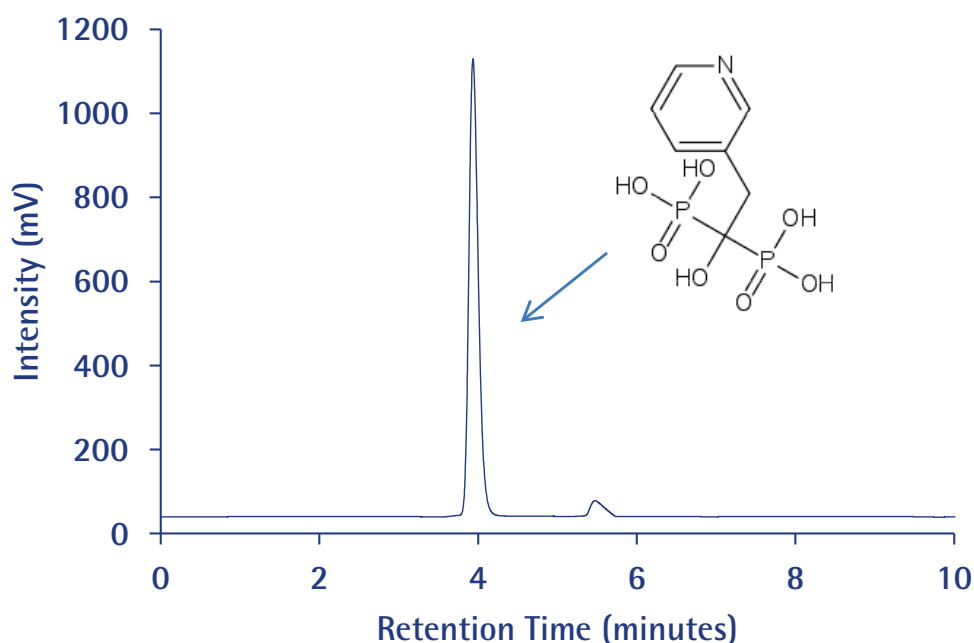


Risedronate sodium and Related impurities

SeQuant® ZIC®-HILIC

Chromatographic Conditions

Column:	SeQuant® ZIC®-HILIC (5 µm, 200 Å) 100×4.6 mm	1.50453.0001
Injection:	5 µL	
Detection:	Shimadzu LC 2010, UV 226 nm	
Cell:	10 µL	
Flow Rate:	0.5 mL/min	
Mobile Phase:	Dissolve 1.54 g of ammonium acetate in 1L water (20 mM). Mix Acetonitrile and Buffer 80:20 (v/v). Total ionic strength: 4 mM	
Temperature:	25 °C	
Diluent	Mobile phase	
Sample:	Weigh 100 mg of sample in 100 ml volumetric flask. Dilute up to the mark with mobile phase. Pipette out 10 ml of the above solution & dilute to 100 ml with mobile phase.	
Pressure Drop:	46 bar (667 psi)	



Chromatographic Data

No.	Compound	Time	Tailing Factor	Theoretical Plate
1	Risedronate Na	3.9	1.4	5212