

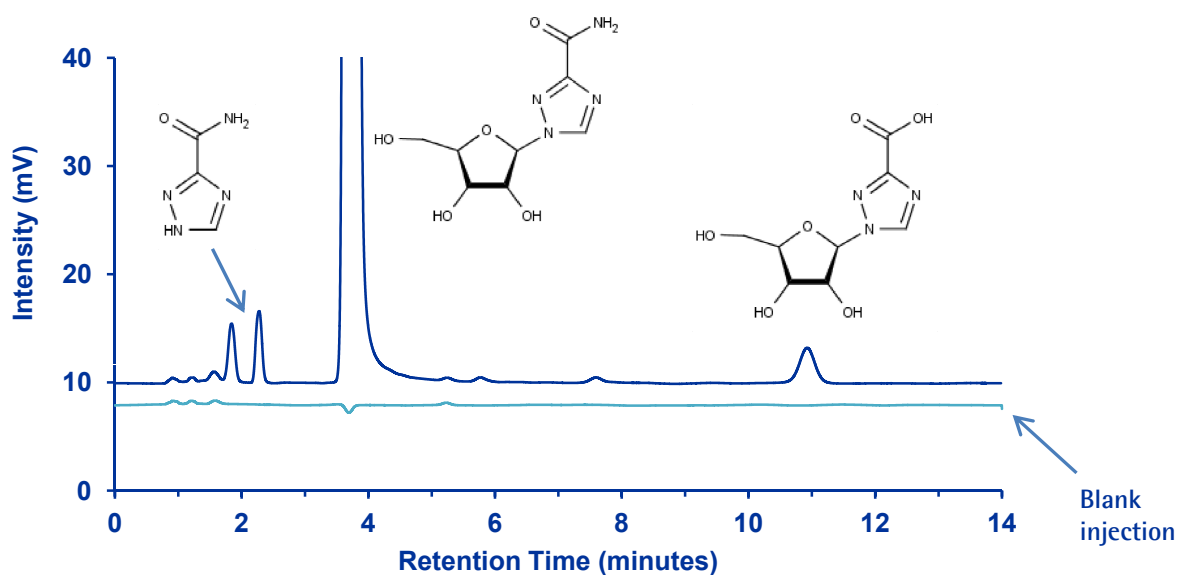
Ribavirin and Related Substances

SeQuant® ZIC®-cHILIC

Chromatographic Conditions

Column: SeQuant® ZIC®-cHILIC (3µm, 100Å) PEEK 150x4.6 mm
 Injection: 10 µL
 Detection: UV 220 nm
 Cell: 13 µL
 Flow Rate: 1.5 mL/min
 Mobile Phase: Buffer: Dissolve 0.385 g of ammonium acetate in 1000 ml water (5 mM).
 Mix Acetonitrile and Buffer 85:15 (v/v)
 Temperature: 25 °C
 Diluent: Mobile phase
 Sample: Ribavirin CRS 1000 ppm, Ribavirin impurity A 5ppm and Ribavirin impurity D 0.5 ppm
 Pressure Drop: 92 Bar (1334 psi)

1.50661.0001



Chromatographic Data

No.	Compound	Retention Time (min)	Retention factor K°	Area %
1	Unknown impurity	1.9	1.1	0.2
2	Ribavirin impurity D	2.2	1.5	0.2
3	Ribavirin CRS	3.7	3.1	99.4
4	Ribavirin impurity A	10.9	11.1	0.2