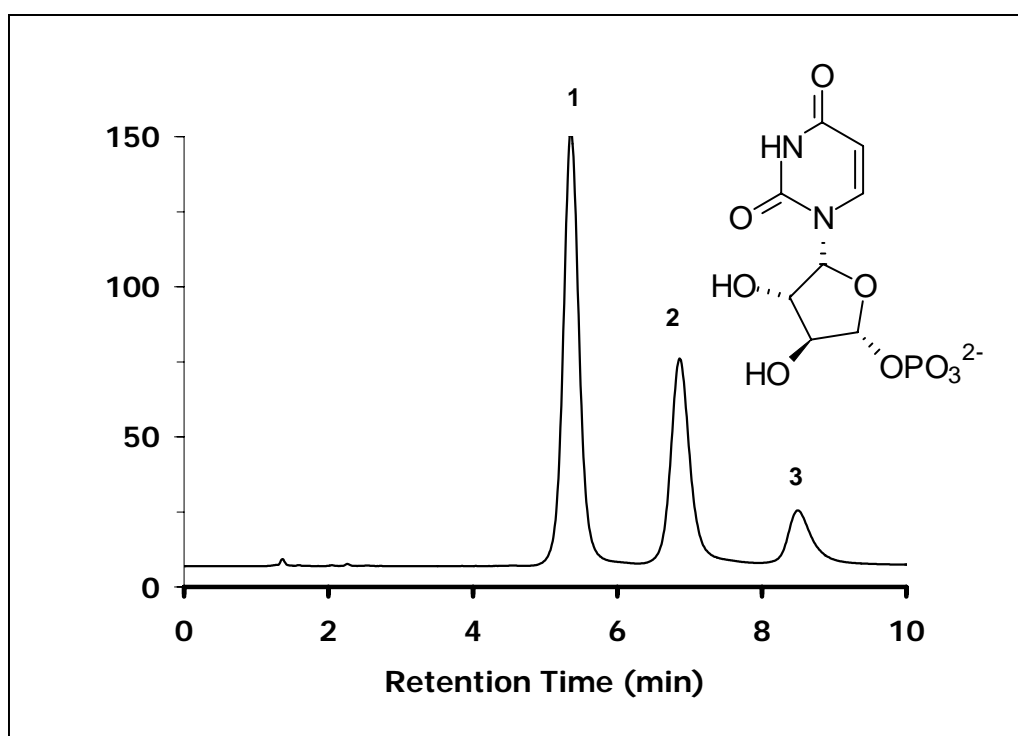


ZIC®-HILIC Separation of UMP, UDP and UTP

Chromatographic Conditions

Column: ZIC®-HILIC, PEEK 100 x 4.6 mm, 5 µm, 200 Å (P/N 2712-105)
 Injection: 5 µL in mobile phase
 Detection: UV @ 259 nm
 Flow Rate: 0.7 mL/min
 Mobile Phase (v/v): 70%, Acetonitrile
 30%, Ammonium Acetate 100 mM, pH 5.35
 (total ionic strength 30 mM)



Chromatographic Data

| No. | Compound | | Time (min) | Retention factor |
|-----|----------|------------------------|------------|------------------|
| | t_0 | void volume | 1.4 | - |
| 1 | UMP | Uridine-monophosphate | 5.3 | 2.8 |
| 2 | UDP | Uridine - diphosphate | 6.9 | 3.9 |
| 3 | UTP | Uridine - triphosphate | 8.6 | 5.1 |