

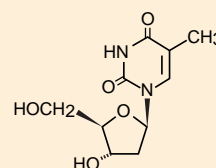
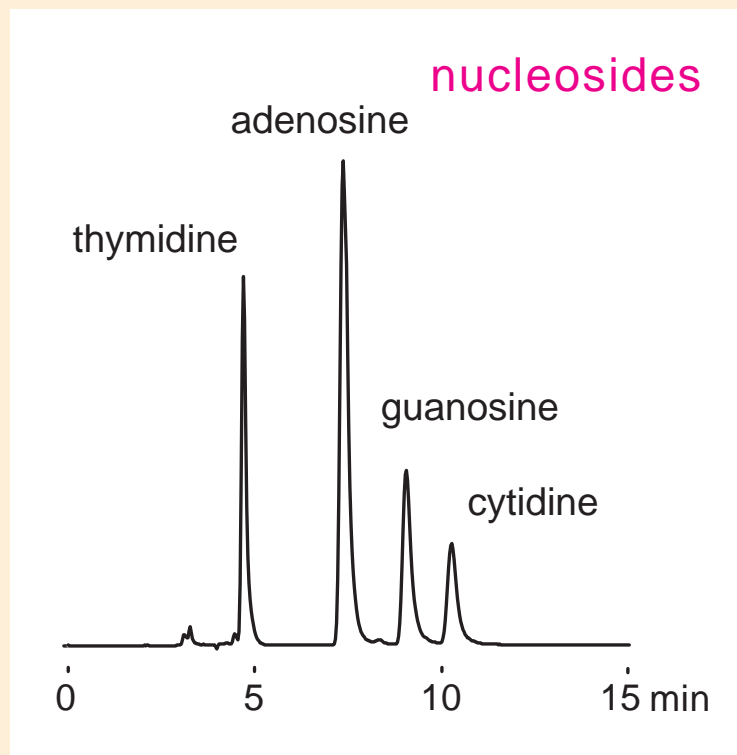
Unison UK-Silica

250 x 2 mm

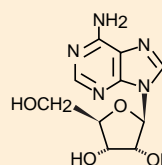
Technical

Separation of high-polarity compounds with a 3µm silica particle

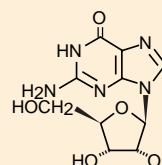
Separating high-polarity materials with an aqueous additives



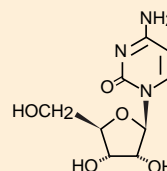
1 thymidine



2 adenosine



3 guanosine



4 cytidine

Unison UK-Silica, 250 x 2 mm  
 acetonitrile / 20mM ammonium acetate = 90 / 10  
 0.2 mL/min, 37 °C, 260 nm

Offering dramatically higher resolution than conventional 5µm columns, the Unison UK series provides authoritative normal phase separation with a silica stationary phase.

In addition to the conventional normal phase mode Unison UK-Silica is optimal separation of high-polarity materials by an eluent containing water. The nucleotide separation example above provides a demonstration of its power. It shows the separation of an eluent containing a high concentration of acetonitrile with an aqueous solution of ammonium acetate added.

In this manner, UK-Silica is excellent for LC-MS and the separation of high-polarity materials by an eluent with volatile aqueous additives. One example is adding an aqueous solution of ammonium acetate into an organic solvent. This column can help you achieve results when retention is poor with an ODS column and in LC-ESI-MS when the ionization efficiency is poor due to a high concentration of water in the elution.

Unison UK-Silica is a great choice for pharmacokinetics and biochemistry.