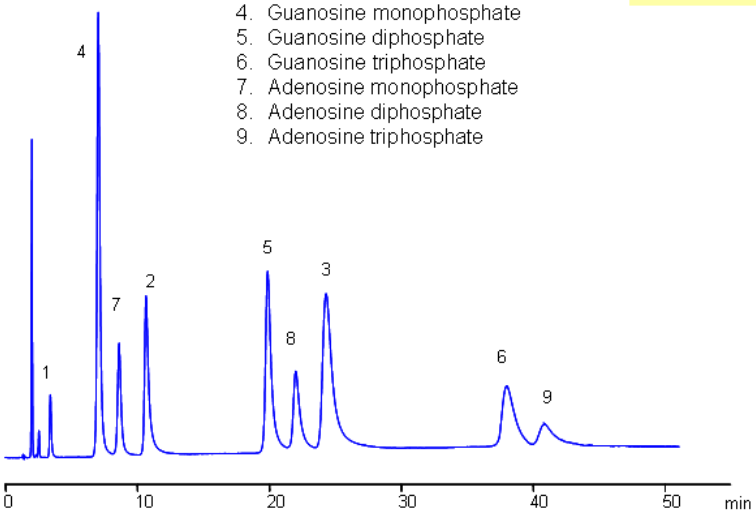
Separation of Nine Nucleotides by Mixed-Mode Chromatography

Column: Primesep SB
Dimensions: 4.6x150 mm, 5 um, 100A
Mobile phase: 5% ACN, AmAc buffer (pH 4.5) gradient, from 30 mmol to 190 mmol in 45 minutes
Flow rate: 1.5 ml/min
Detection: 270 nm
Samples: 0.3 mg/ml
Injection: 20 uL

1. Cytidine monophosphate
2. Cytidine diphosphate
3. Cytidine triphosphate
4. Guanosine monophosphate
5. Guanosine diphosphate
6. Guanosine triphosphate
7. Adenosine monophosphate
8. Adenosine diphosphate
9. Adenosine triphosphate



Nucleotides are important biological molecules which serve as subunits of nucleic acids. They are composed of a five-carbon sugar, a nitrogenous base, and at least one phosphate group. Nucleotides cannot be retained by reverse-phase chromatography without an ion-pairing reagent due to their highly polar nature. Primesep SB is capable of retaining and separating nine nucleotides. Primesep SB is a reverse-phase column with strong embedded basic ion-pairing groups.

Quelle: https://sielc.com/Application%20%20Separation%20of%20Nine%20Nucleotides%20by%20Mixed-Mode%20Chromatography