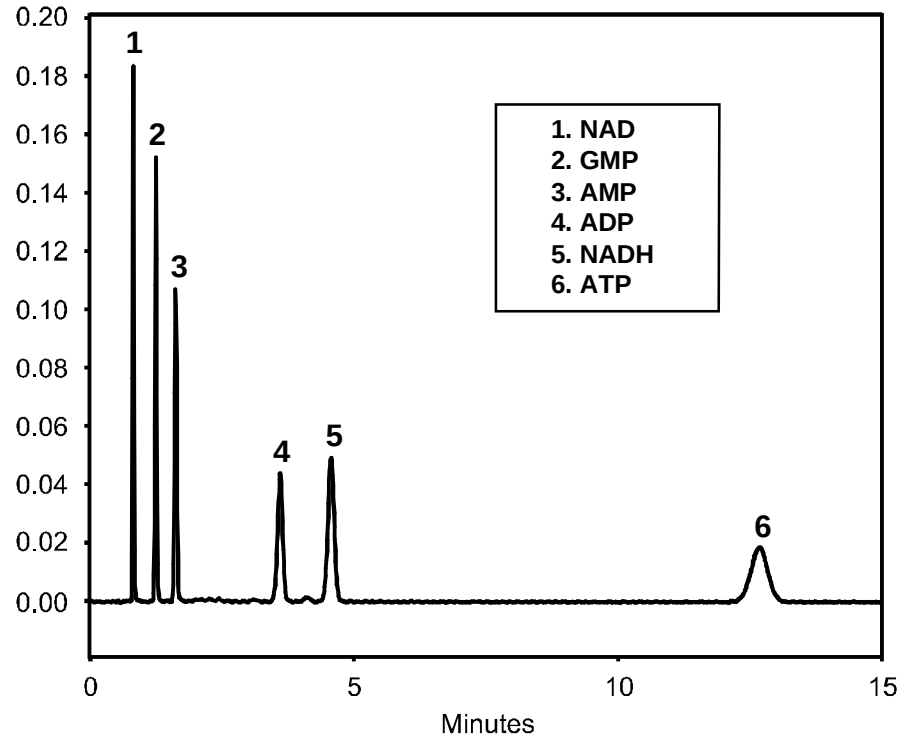
Nucleotides

Analysis of nucleic acids in biochemistry and medicine grew as a need for rapid determination of base pair composition of DNA and RNA hydrolysates. In medicinal chemistry, nucleotide analysis is of great interest for investigating metabolic states in both the normal metabolism of nucleic acids and abnormalities caused by disease.



ZORBAX® Eclipse XDB-C8 (3.5 µm, 4.6 x 75 mm) (P/N: 966967-906)
Mobile Phase: 93% 50 mM Sodium Phosphate (pH 7.0 with Phosphoric Acid) / 10 mM Tetrabutyl ammonium bromide : 7% Acetonitrile
Injection volume 1 µL, 1.0 mL/min, 35°C, Detect. UV (254 nm)

HIGHLIGHTS

- *Good efficiency and peak shape can be obtained for very polar compounds using ion-pairing chromatography at elevated pH with Zorbax Eclipse XDB-C8.*
- *Nucleotides, due to degradation at low pH and must be analyzed at high pH. Zorbax Eclipse XDB-C8 is very stable with mobile phases even at an elevated pH of 7.0, due to double-endcapping, which protects the silica surface.*

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