

Nucleotide Bases: Orthogonal Method

Excellent Peak Shape, Resolution, MS Friendly



Method Conditions

Column: Cogent Diamond Hydride™, 4µm, 100Å

Catalog No.: 70000-75P

Dimensions: 4.6 x 75 mm

Mobile Phase: DI H₂O/ 0.1% acetic acid

Temperature: 25°C

Injection vol.: 2.5µL

Flow rate: 1 mL/min

Detection: UV 254 nm

Peaks: 1. Uracil

- 2. Guanine
 - 3. Thymine
 - 4. Adenine

Discussion

This method is easy to prepare, use and reproduce. Note excellent separation under 100% aqueous conditions with alternate selectivity. These bases are difficult to retain on columns with ordinary silica that contain significant amounts of silanols.





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