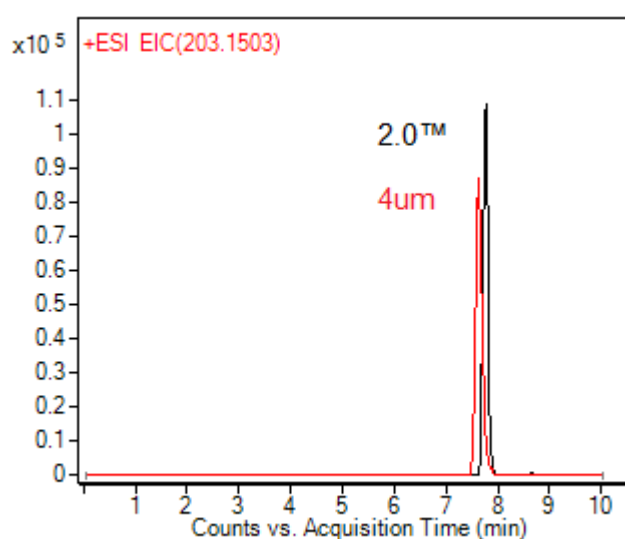


## How do retention and efficiency of asymmetric dimethylarginine ADMA compare using 4um vs 2.0 Diamond Hydride columns – AppNote

**ADMA can be retained using an ANP gradient method with the Cogent Diamond Hydride™ HPLC column.**

Retention times for ADMA differed only slightly between the 4um and 2.0™ stationary phases. Efficiency however was notably higher when using the 2.0™ phase. This can be readily observed from the greater peak height using the 2.0™ column in the chromatogram overlay comparison shown below:



### Method Conditions:

Column dimensions: 2.1 x 50mm (both)

Flow rate: 0.3mL/min

A: DI H<sub>2</sub>O + 0.1% formic acid

B: Acetonitrile + 0.1% formic acid

time (min)    %B

0            90

5            30

8            30

10           90

post time 4 min



For more information: [Cogent Diamond Hydride Product Page](#)

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