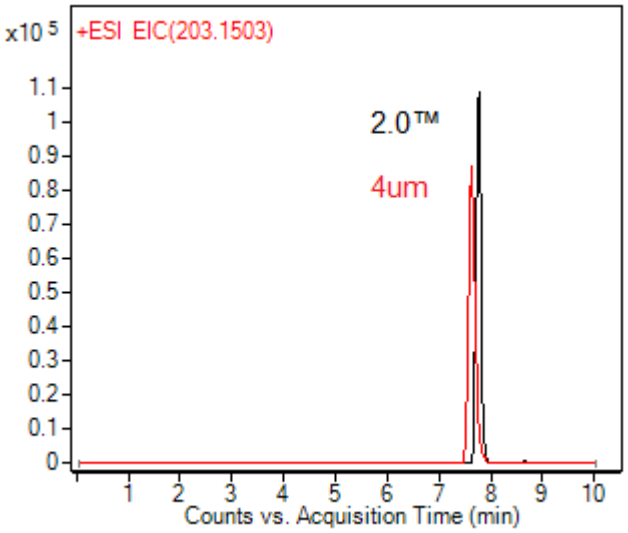
How do retention and efficiency of asymmetric dimethylarginine ADMA compare using 4um vs 2.o Diamond Hydride columns – AppNote

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.o™ stationary phases. Efficiency however was notably higher when using the 2.o™ phase. This can be readily observed from the greater peak height using the 2.o™ 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_2O + 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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