

What is the purpose of different bonded phases using Cogent TYPE-C Silica – FAQ

The degree of retention in Reversed Phase and or Aqueous Normal Phase ANP methods using a Cogent TYPE-C™ silica hydride column depends on the degree and type of modification such as C18, Cholesterol, C3, Diol, Undecanoic Acid, C8, Phenyl etc.

With no or minimal modification to the silica hydride, Aqueous Normal Phase ANP mode retention is stronger than Reversed Phase with the same method conditions. As the degree of silica modification becomes greater, i.e. larger bonded groups and/or higher surface coverage and higher carbon load, the Reversed Phase properties may increase.



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