

## What are the main differences between Cogent Amide columns and other brands of Amide - FAQ

**The Cogent Amide HPLC column is very effective for compounds that contain amines as well as sugars such as galactose, sucrose, glucose and basic pharmaceuticals such as Prozac, Tizanidine and others.**

The Cogent Amide™ column is made with TYPE-C™ silica so it can be used in Reversed Phase, Normal Phase or **Aqueous Normal Phase ANP** HPLC and does not suffer from the hydrolysis of the amide group that is well documented in other brands. This is due to the direct silicon carbon bonds used in the synthesis that only exist with Cogent TYPE-C™ columns.

Another major difference between the Cogent Amide column and all other amide columns is that Schiff bases do not deactivate the Cogent columns and the Cogent Amide stationary phase does not create Schiff bases.

Simple carbohydrates like sugars are often separated by using an amino column. The biggest difference between the “amino” columns v. the “amide” columns is that amines are basic and ionizable and amides are not. Also, amide functional groups do not create semi-permanent associations with aldehydes the way amines do. Once the association is created, the column has been modified and is almost impossible to reverse.

Click [HERE](#) for Cogent Amide HPLC Column Ordering Information.



Printed from the Chrom Resource Center

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

Date: 05-18-2024