

Why doesn't triphenylamine a tertiary amine retain in Aqueous Normal Phase ANP - FAQ

There can be many reasons why any compound may not retain in any given HPLC Method, however in this case, triphenylamine has three bulky phenyl groups (*see structure below*), which can create steric hindrance from interaction with the stationary phase due to the tertiary amine.

NOTE: Tertiary amines are the least polar amine and will have less retention than primary or secondary amines in **Aqueous Normal Phase ANP HPLC** methods.



Triphenylamine



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MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

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

Email: customers@mtc-usa.com

Website: www.mtc-usa.com

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