



## Method development tip for maleic hydrazide – Tips & Suggestions

**Maleic hydrazide has a pKa of 5.62 and a logP of -1.96. This logP value means it is very hydrophilic and will NOT retain well in Reversed Phase HPLC.**

For this reason, we would suggest you try a method in **Aqueous Normal Phase** ANP using the [Cogent Diamond Hydride™](#) column in order to retain it. The pKa of 5.62 suggests that a mobile phase **additive** of 0.1% formic acid would work best. And 0.1% TFA can also be investigated if detection is not done by MS.



**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)