

How to improve peak shapes, retention & carryover for polar compounds with the Cogent Diamond Hydride™ column – Tips & Suggestions

Peak shape for polar compounds analysis such as vitamins in LCMS has been shown to be improved when using a 0.1% formic acid additive instead of ammonium acetate.

The sample diluent should be 50% DI water/ 50% acetonitrile/ 0.1% formic acid. If you are using 50% isopropanol or 50% methanol in the aqueous solvent, the carryover could be due to insufficient eluting strength.

Try using DI water/ 0.1% formic acid instead of 50% 2-propanol/ 50% DI water/ 0.1% formic acid.

[Cogent Diamond Hydride HPLC Column Ordering Information](#)



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