

What is the biggest difference between traditional HPLC phases and Bidentate C18 - FAQ

The biggest difference is the silica surface and how it will benefit the user.

The main difference is the dominance of silicon-hydride (Si-H) functional groups on the TYPE-C™ stationary phase instead of the traditional silanol group (Si-OH) common to all irregular, type A & B silica based phases.

This difference in stationary phase's polarity and the novel separation mechanisms of all TYPE-C™ gives new Selectivity options for these HPLC columns. They can all be used in Normal Phase, Aqueous Normal Phase ANP or Reversed Phase.. even the Cogent Bidentate C18™ giving each column a wider range of use.