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Improved separation by at-column dilution in preparative hydrophilic interaction chromatography

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Highlights

- At-column dilution (ACD) was systematically evaluated in preparative HILIC
- The effect of the injection solvent in ACD vs. conventional mode was investigated
- The impact of the ACD make-up flow rate on efficiency was also determined
- ACD considerably reduced peak distortion caused by the injection of strong solvent
- ACD was found to be more suited to gradient vs. isocratic elution

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