Beta-Blockers on ZirChrom-PBD Sub-2 µm at 75 °C

- Beta-blocker potency vs. retention on ZirChrom-PBD
- Columns: Zir-Chrom PBD, 50 mm x 4.6 mm, 2.7 µm Fused-Core TM Particles,
- Mobile phase: 50/50 ACN/water, 2 mL/min.柱温: 75 °C, Detector: 254 nm
- Significant instrument contribution to system peak width with sub-2 µm UHPLC columns.

Conclusions
- Instrument contribution to system peak width can be systematically reduced to acceptable levels by changing to higher volume flow of solvent connections.
- With modern UHPLC columns, current PC-grade systems may well limit plate performance.

References