Anorectics (Fen-Phen) Analysis on ZORBAX Bonus-RP

Application
Forensic Toxicology
Robert Ricker

The dietary aide, Fen-Phen, is a mixture of two basic drugs. These compounds elute from ZORBAX Bonus-RP with reduced peak tailing compared to that on an alkyl-C8 column.

Highlights
• ZORBAX Bonus-RP provides unique selectivity and peak shape that significantly improves resolution between peak 2 and an impurity.
• ZORBAX Bonus-RP is a unique polar-linked bonded phase that provides:
  – Good peak shape (improved quantitation and resolution)
  – Alternate selectivity (improved resolution)
  – Long life over a wide pH range (reproducible separations)

Conditions: HPLC System: Agilent 1100 with quaternary pump
Column: ZORBAX Bonus-RP, 4.6 x 150 mm, Agilent P/N: 883668-901
Mobile Phase: [MeOH: ACN (50:50)] + K2HPO4, 25 mM, pH 7.2, (55: 45)
Detector: UV 254 nm; Flow: 1 mL/ min.; Temperature: ambient
Robert Ricker is an application chemist based at Agilent Technologies, Wilmington, Delaware.

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