

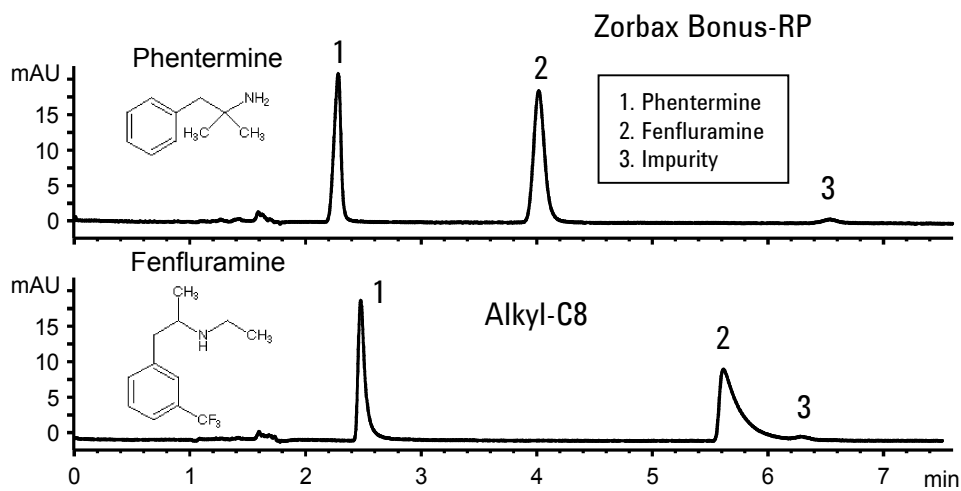
Anorectics (Fen-Phen) Analysis on ZORBAX Bonus-RP

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.



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

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)



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Printed in the USA
April 25, 2002
5988-6415EN



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