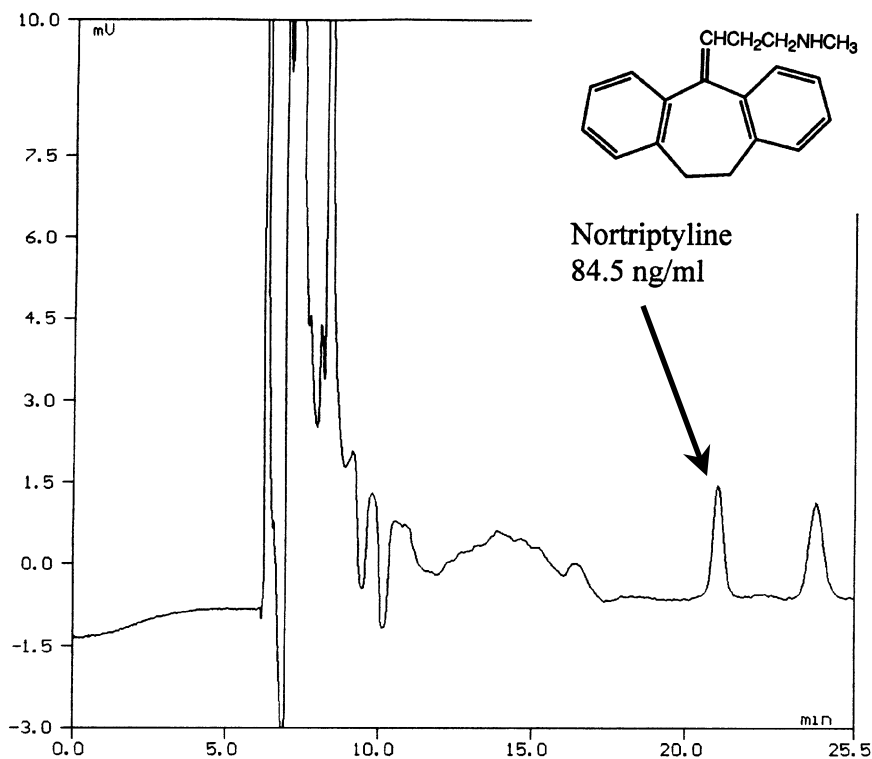




Analysis of Nortriptyline in Plasma

Application
Pharmaceutical
Robert Ricker

Nortriptyline is a commonly administered tricyclic antidepressant. Its level is tested clinically to determine physiological levels in the blood stream upon treatment or misuse. On-line sample preparation/concentration using column switching enabled this analysis to be a fast, direct approach. The final analytical separation was performed using a ZORBAX Eclipse XDB-C8 column. For details of the column switching technique visit the applications page of the ChromTech Website: <http://www.chromtech.se/biotrap>



Courtesy of ChromTech, Sweden

Conditions:
ZORBAX Eclipse XDB-C8, 4.6 x 150 mm, 5µm, Agilent P/N: 993967-906
Mobile Phase: 28% ACN in 20 mM sodium phosphate buffer, pH 2.8
F=1.0 ml/min, Det: UV 210 nm

Highlights

- After on-line extraction, nortriptyline in a 200µL serum sample was analyzed using a ZORBAX Eclipse XDB-C8 column.
- Nortriptyline is eluted from the ZORBAX Eclipse XDB-C8 column with excellent peak shape. Eclipse XDB columns operate optimally over a wide pH range (3-9).
- *NOTE: For Investigational / Research only. The performance characteristic for this procedure has not been established. Not for in vitro diagnostic procedures.*



Agilent Technologies

*Robert Ricker is an application chemist
based at Agilent Technologies, Wilmington,
Delaware.*

For more information on our products and
services, visit our website at:
www.agilent.com/chem

Copyright© 2002 Agilent Technologies, Inc.
All Rights Reserved. Reproduction,
adaptation or translation without prior
written permission is prohibited, except as
allowed under the copyright laws.

Agilent shall not be liable for errors
contained herein or for incidental or
consequential damages in connection with
the furnishing, performance, or use of this
material.

Information, descriptions, and specifications
in this publication are subject to change
without notice.

Printed in the USA
April 25, 2002
5988-6398EN



Agilent Technologies