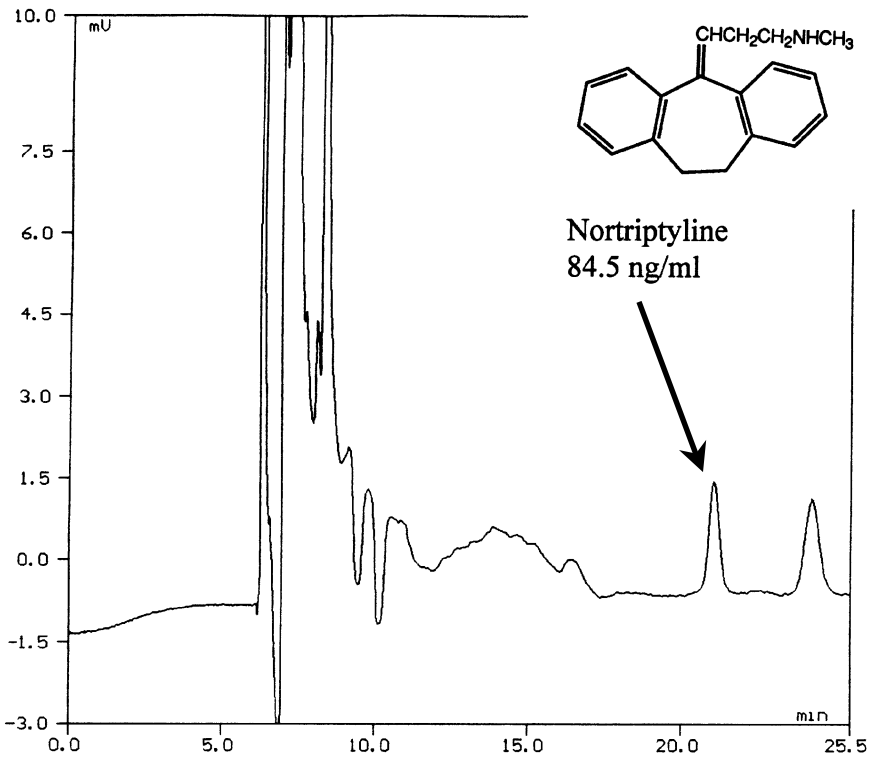
Analysis of Nortriptyline in Plasma

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

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

Agilent Technologies