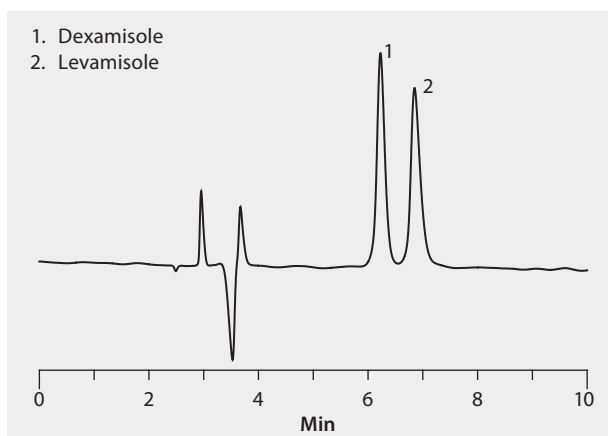


HPLC Analysis of Tetramisole Enantiomers on Astec® CYCLOBOND® I 2000 DMP

Cocaine is often found laced with levamisole (one of the tetramisole enantiomers). These compounds are readily separated using the CYCLOBOND I 2000 DMP column - a derivatized cyclodextrin column only offered by Supelco. The method is also a suitable replacement for published methods utilizing CYCLOBOND I 2000 SN (no longer available) for the analysis of levamisole. A Cerilliant CRM was used to ensure reliable MS identification and quantification.

market focus	Forensics and Toxicology
column	Astec CYCLOBOND I 2000 DMP 25 cm x 4.6 mm I.D., 5 µm particles (20724AST)
mobile phase	(A) 100 mM ammonium acetate, pH 5 with acetic acid (B) acetonitrile, 80:20, v/v
flow rate	1.0 mL/min
column temp.	35 °C
detector	UV, 230 nm
injection	10 µL
sample	200 ug/mL tetramisole in mobile phase Amethanol, 80:20, v/v
Application No.	G006293



Ref: 1. D. W. Armstrong, C. D. Chang, S. H. Lee, *J. Chromatogr. A* **539**, 83-90 (1991)
2. M. Dolezalova, M. Tkaczykova, *J. Pharm. Biomed. Anal.* **25**, 407-415 (2001)

Components

(-)-Levamisole hydrochloride solution ([Cerilliant L-025](#))

Related Products

analytical column
Astec® CYCLOBOND® I 2000 DMP Chiral HPLC Column ([Supelco 20724AST](#))
eluent
Acetic acid ([Fluka 49199](#))
Acetonitrile ([Fluka 14261](#))
Ammonium acetate ([Fluka 14267](#))
standard
Tetramisole hydrochloride ([Sigma T1512](#))