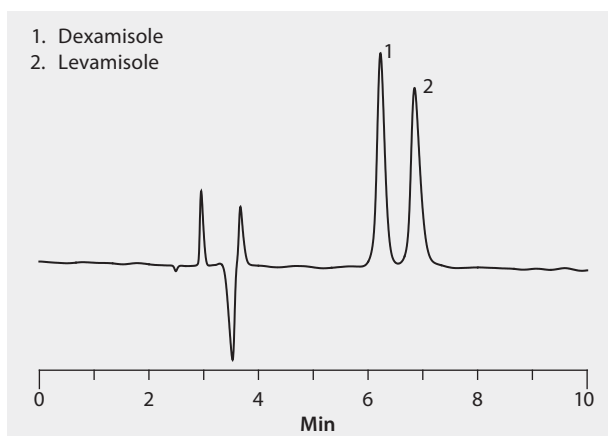


HPLC Analysis of Tetramisole Enantiomers on Astec® CYCLOBOND® I 2000 DMP

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](#))