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Applikationsbericht

Drugs of Abuse - LC/UV

Waters Corporation



For forensic toxicology use only.

This is an Application Brief and does not contain a detailed Experimental section.

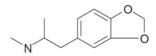
Abstract

This application brief demonstrates analysis of drugs of abuse - LC/UV.

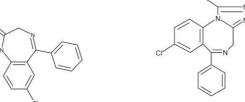
Introduction

The compounds used in this study are -

Compounds	USP Tailing
3,4-Methylenedioxyamphetamine (MDA)	1.08
3,4-Methylenedioxymethamphetamine (MDMA)	1.32
Alprazolam	1.18
Flunitrazepam	1.15
Desmethyidiazepam	1.14
Diazepam	1.13

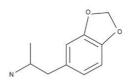


3,4-Methylenedioxymethamphetamine (MDMA)



Diazepam

Alprazolam



3,4-Methylenedioxyamphetamine (MDA)

Flunitrazepam

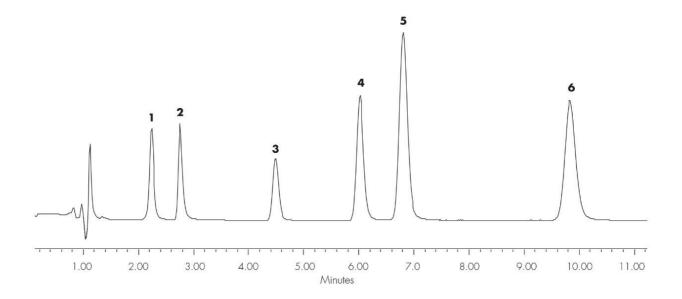
Desmethyidiazepam

Experimental

Conditions

Column: Xterra RP₁₈ 3.0 x 100 mm, 3.5 μm Part number: 186000420 Mobile phase A: 5 mM NH₄HCO₃, pH 9.6 Mobile phase B: ACN Flow rate: 0.6 mL/min 70% A; 30% B Isocratic mobile phase composition: Injection volume: 10 µL Sample concentration: 10 ng/µL Temperature: 40 °C Detection: UV @ 210 nm Instrument: Alliance 2690, 2996 PDA

Results and Discussion



Featured Products

Alliance HPLC System https://www.waters.com/534293

WA20738.046, June 2002

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