

Psychoactive Substances in 'Synthacaine' by LC-UV

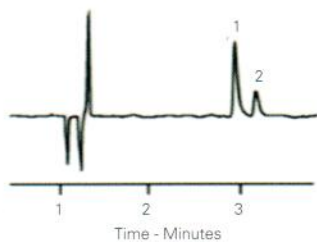
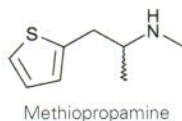
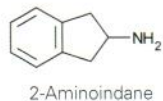
Application #AN3440

Conditions

Column: ACE 3 C18
Dimensions: 150 x 4.6 mm
Part Number: ACE-111-1546
Mobile Phase: 10 mM ammonium formate
pH 3.5/MeCN (90:10 v/v)
Flow Rate: 1.2 mL/min
Temperature: 22 °C
Detection: UV, 207 nm (2-Aminoindane)
and 233 nm (Methiopropamine)
Sample: Synthacaine 40 µg/mL

Analytes

1. 2-Aminoindane
LOD 0.83 µg/mL
2. Methiopropamine
LOD 0.31 µg/mL



Cumba L, Koliopoulos A, Smith J, Thompson P, Evans P, Sutcliffe O, do Carmo D, Banks C (2015) Forensic electrochemistry: indirect electrochemical sensing of the components of the new psychoactive substance 'Synthacaine'. Analyst 140, 5536. doi:10.1039/c5an00858a

Quinidine, Quinine and their Hydroderivatives Separation

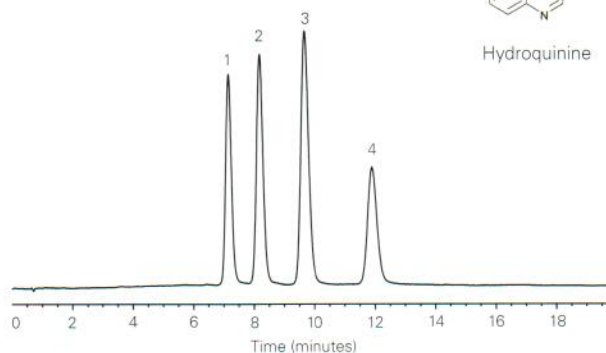
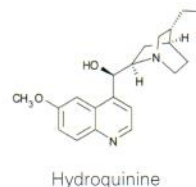
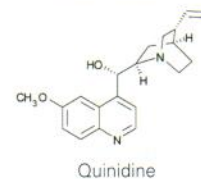
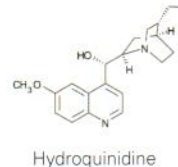
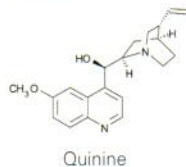
Application #AN1600

Conditions

Column: ACE 3 C18-AR
Dimensions: 50 x 4.6 mm
Part Number: ACE-119-0546
Mobile Phase: 20 mM ammonium formate
pH 3.0 in MeOH/H₂O (30:70 v/v)
Flow Rate: 1 mL/min
Injection: 5 µL
Temperature: 30 °C
Detection: UV, 254 nm

Analytes

1. Quinidine
2. Quinine
3. Hydroquinidine
4. Hydroquinine



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