

Analysis of Local Anesthetics Using XBridge C₁₈

Waters Corporation



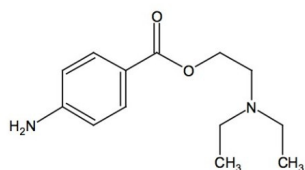
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

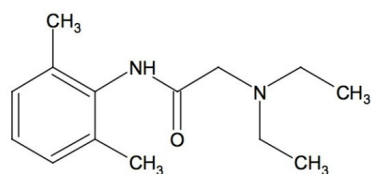
This application brief highlights analysis of local anesthetics using XBridge C₁₈ Columns.

Introduction

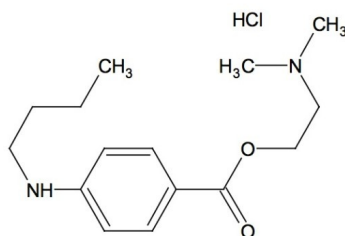
Compounds



1. Procaine



2. Lidocaine



3. Tetracaine

Experimental

Test Conditions

Column:	XBridge C ₁₈ , 5 μm , 4.6 x 150 mm p/n: 186003116
Isocratic Mobile Phase:	10 mM NH_4HCO_3 , pH 10.5/acetonitrile (50:5)
Flow Rate:	1.0 mL/min
Injection Volume:	10 μL
Sample Concentration:	20 $\mu\text{g/mL}$ in water/ACN (50:50)
Temperature:	25 $^\circ\text{C}$

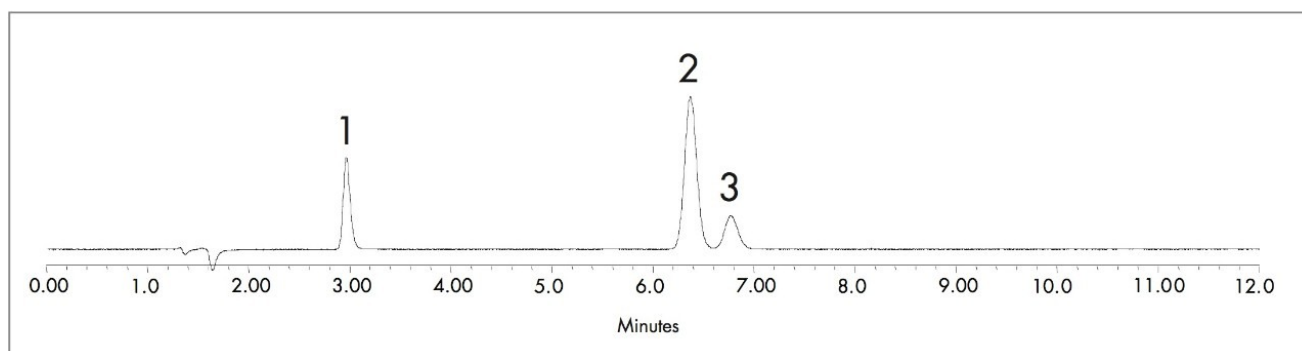
Detection:

UV @ 210 nm

Instrument:

Alliance 2695 with 2996 PDA

Results and Discussion



1. Procaine 2. Lidocaine 3. Tetracaine.

Featured Products

· [Alliance HPLC <https://www.waters.com/514248>](https://www.waters.com/514248)

WA60168, April 2007



© 2021 Waters Corporation. All Rights Reserved.