

Nota applicativa

## Analysis of Local Anesthetics Using XBridge C<sub>18</sub>

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Waters Corporation



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

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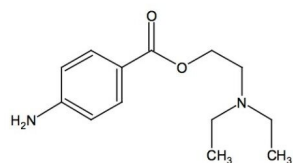
### Abstract

This application brief highlights analysis of local anesthetics using XBridge C<sub>18</sub> Columns.

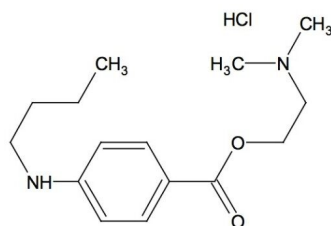
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# Introduction

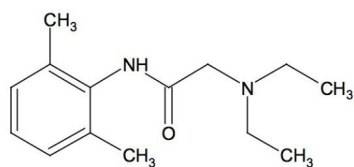
## Compounds



1. Procaine



3. Tetracaine



2. Lidocaine

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# Experimental

## Test Conditions

Column:	XBridge C <sub>18</sub> , 5 μm, 4.6 x 150 mm p/n: 186003116
Isocratic Mobile Phase:	10 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 10.5/acetonitrile (50:5)
Flow Rate:	1.0 mL/min
Injection Volume:	10 μL
Sample Concentration:	20 μg/mL in water/ACN (50:50)
Temperature:	25 °C

Detection:

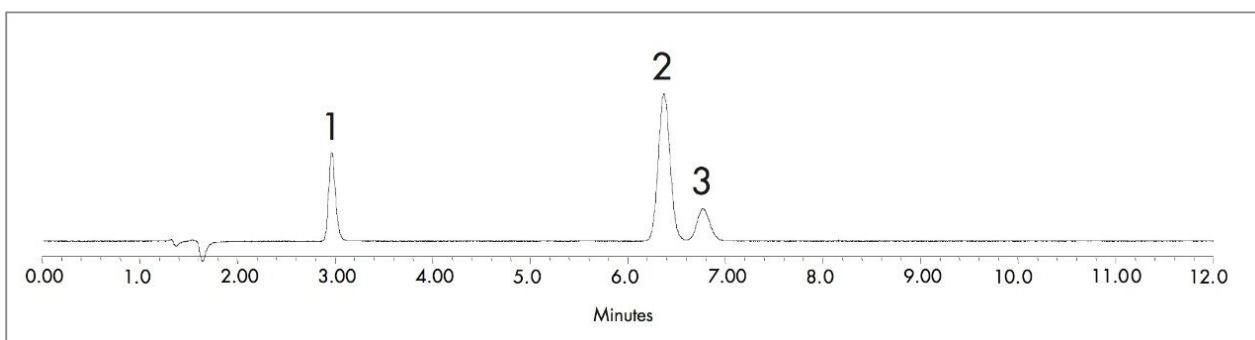
UV @ 210 nm

Instrument:

Alliance 2695 with 2996 PDA

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## Results and Discussion



1. Procaine 2. Lidocaine 3. Tetracaine.

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## Featured Products

Alliance HPLC <<https://www.waters.com/514248>>

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