

Analysis of Estradiol USP Method Using XBridge C₁₈

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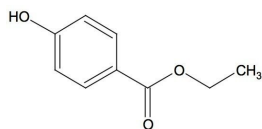
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

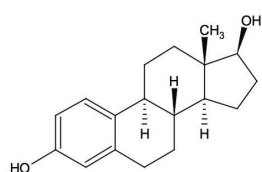
This application brief highlights the analysis of estradiol USP method using XBridge C₁₈ Columns.

Introduction

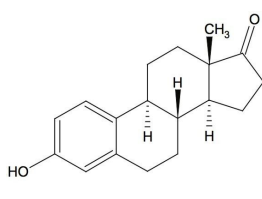
Compounds



1. *Ethylparaben*



2. *Estradiol*



3. *Estrone*

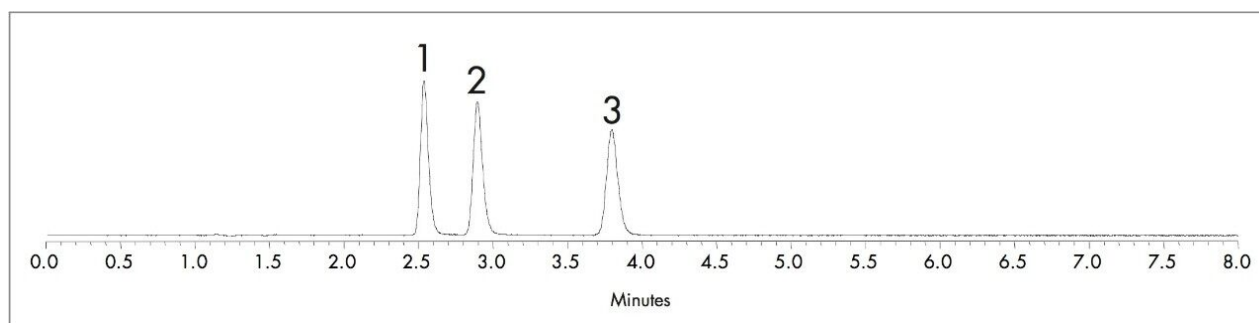
Experimental

Test Conditions

Column:	XBridge C ₁₈ , 5 μm, 4.6 x 150 mm p/n: 186003116
Isocratic Mobile Phase:	water/acetonitrile (45:55)
Flow Rate:	1.0 mL/min

Injection Volume:	10 μ L
Sample Concentration:	20 μ g/mL in water/ACN (50:50)
Temperature:	25 $^{\circ}$ C
Detection:	UV @ 205 nm
Instrument:	Alliance 2695 with 2996 PDA

Results and Discussion



1. Ethylparaben 2. Estradiol 3. Estrone.

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

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