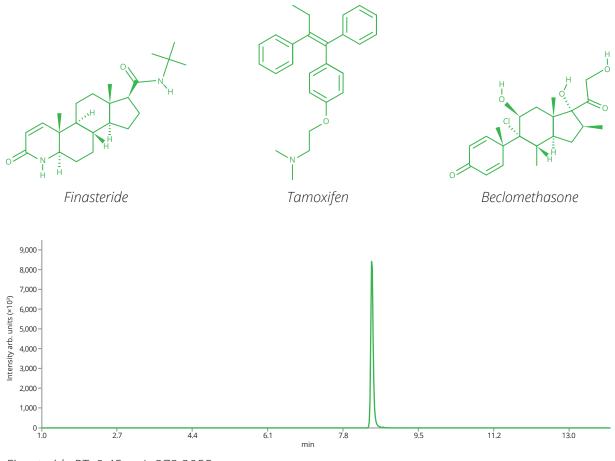
**APPLICATION LIST #565** 

## **Hormones receptors agents**

Hormones are responsible for carrying out various functions in the human body. A treatment of lot of diseases is based on hormones receptor – targeted agent interaction. In this application is shown a precise lc/ms method for analysis of drugs agents finasteride, tamoxifen, used in cancer therapy, and beclomethasone, well known agent for asthma managment.



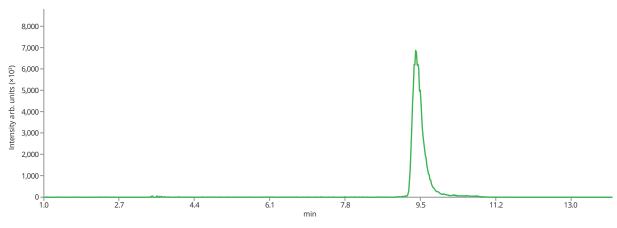
Finasteride RT: 8.45, m/z 373.2855

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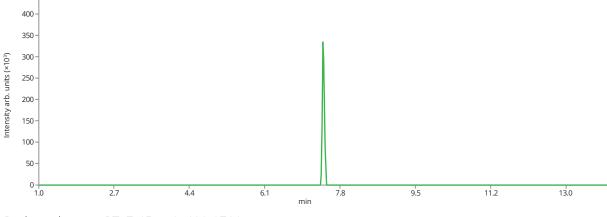
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**APPLICATION LIST #565** 





Tamoxifen RT: 9.41, m/z 372.2327



Beclomethasone RT: 7.45, m/z 409.1782

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**APPLICATION LIST #565** 

## Hormones receptors agents

Column	ASTRA® C18-HE, 3 µm			
Dimensions	75 mm × 2.1 mm			
Part number	AST-5732-IH21			
Mobile phase	A: DDW + 0.1% Formic Acid			
	B: ACN	B: ACN + 0.1% Formic Acid		
<b>Gradient elution</b>	Time	A (%)	B (%)	
	0	90	10	
	1	90	10	
	4	75	25	
	8	60	40	
	10	0	100	
	14	0	100	
	14.01	90	10	
	15	90	10	
	17	90	10	
Flow rate	0.35 mL/min			
Temperature	23 °C			
Detection	Full scan (resolving power 120 000, m/z 200), positive mode			
Injection volume	5 μL			
Analytes	1. Finasteride, CAS number 98319-26-7			
-	<b>2. Tamoxifen</b> , CAS number 10540-29-1			
	<b>3. Beclomethasone</b> , CAS number 4419-39-0			
Temperature Detection Injection volume	23 °C Full scan (resolving power 120 000, m/z 200), positive mode 5 μL <b>1. Finasteride</b> , CAS number 98319-26-7 <b>2. Tamoxifen</b> , CAS number 10540-29-1			

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