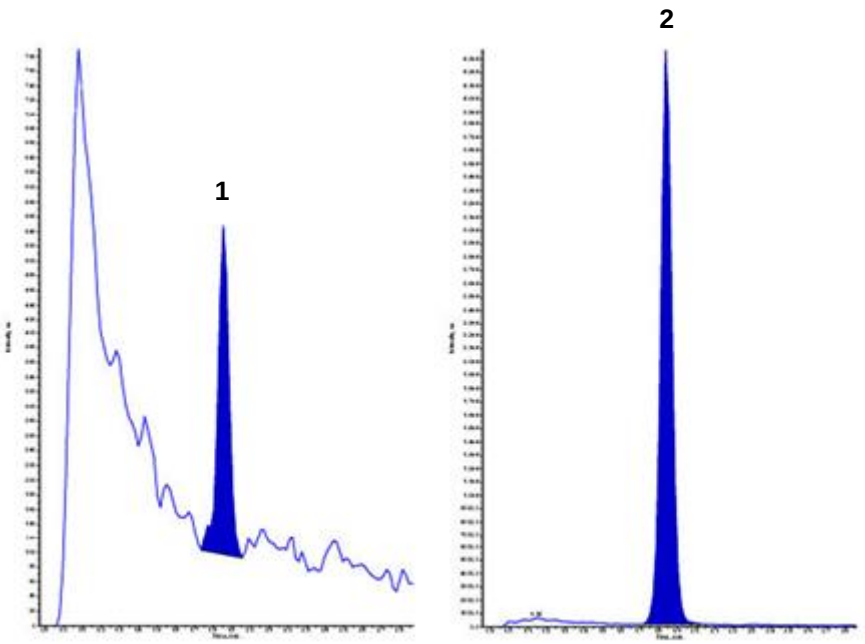
15-Hydroxy Lubiprostone in Human Plasma

ACE®
Ultra-inert
UHPLC & HPLC Columns

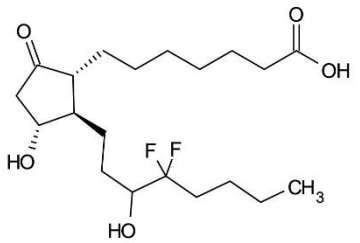
Application #AN1900

Conditions

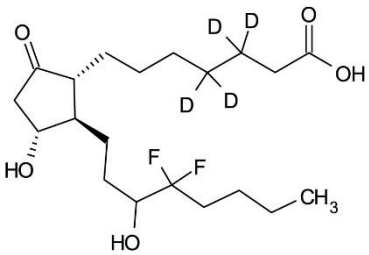
Column:	ACE Excel 2 C18
Dimensions:	50 x 3.0 mm
Part Number:	EXL-101-0503U
Mobile Phase:	A: 0.1% formic acid in H_2O
	B: MeCN
Flow Rate:	0.65 mL/min
Injection:	15 µL
Temperature:	35 °C
Detection:	MDS Sciex API 5000
	TurbolonSpray negative mode
	IonSpray voltage -4500 V
	Source Temperature 450 °C



Lowest calibration standard sample containing 2.0 pg/mL in human EDTA K3 plasma.



1. 15-Hydroxy lubiprostone
m/z 391.2 → 373.2



2. 15-Hydroxy lubiprostone-d4 (IS)
m/z 395.2 → 377.2

Lubiprostone, a fatty acid derived from prostaglandin E1, is rapidly metabolised to 15-hydroxy lubiprostone.

Quantitation is based on 15-hydroxy lubiprostone, with the d4 analogue as internal standard.

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