

Itraconazole and Hydroxyitraconazole in Human Whole Blood by LC-MS/MS

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

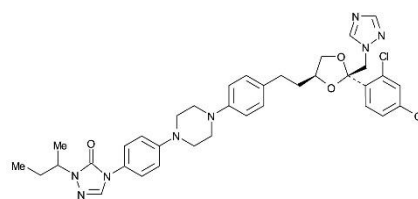
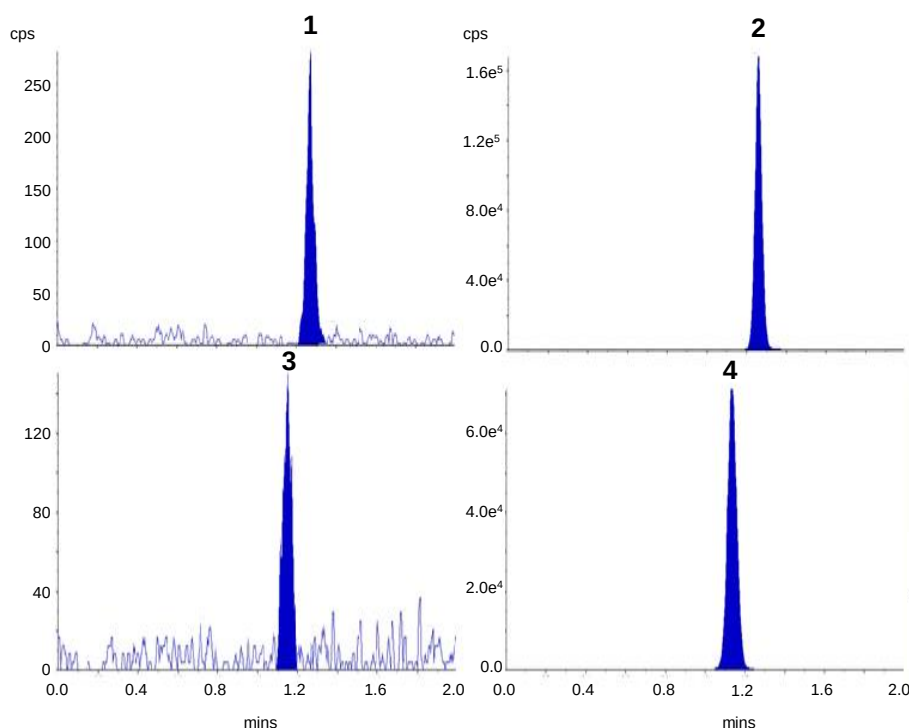
Application #AN3380

Conditions

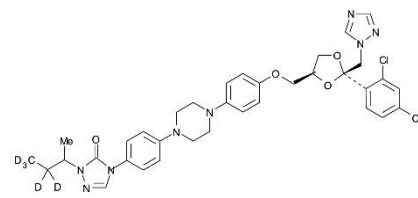
Column: ACE 3 C18-AR
Dimensions: 50 x 2.1 mm
Part Number: ACE-119-0502
Mobile Phase: A: 10 mM ammonium acetate in H₂O
B: 10 mM ammonium acetate in MeOH

Time (mins)	%B
0	75
2	98
3	98

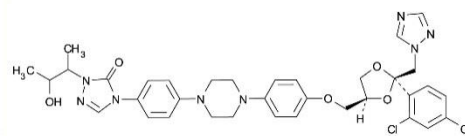
Flow Rate: 0.7 mL/min
Temperature: 45 °C
Detection: AB Sciex 4000
ESI positive ion mode
Sample: 1.0 ng/mL human whole blood (LLOQ)



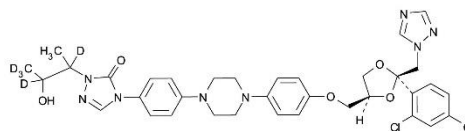
1. Itraconazole
(*m/z* 705.3 → 392.3)



2. Itraconazole-d5
(*m/z* 710.4 → 397.4)



3. Hydroxyitraconazole
(*m/z* 721.3 → 408.2)



4. Hydroxyitraconazole-d5
(*m/z* 726.4 → 413.3)

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