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# Drug-endobiotic interaction effect of UGT enzymes inhibition on systemic bile acids levels in rat

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## SUPPLEMENTARY MATERIAL

**Table S1.** Optimized mass spectrometer conditions used in the analysis of ezetimibe and IS

| Mass Spectrometer Parameter | Value |
|---|---|
| Curtain gas flow rate | 35 L/h |
| Collision gas flow rate | Medium |
| Ion spray voltage | (-)4500 volts |
| Ion source temperature | 500 °C |
| Nebulizer gas | 50 psi |
| Drying gas | 45 psi |

**MRM conditions used in the optimized method**

| Analyte | Q1 Mass (Da) | Q3 Mass (Da) | Dwell time (msec) | DP (V) | CE (V) | CXP (V) | Rt (min) |
|---|---|---|---|---|---|---|---|
| Ezetimibe | 408.0 | 271.1 | 200 | -70 | -22 | -8 | 2.1 |
| Ezetimibe-Glucuronide | 584.5 | 271.1 | 200 | -84 | -35 | -13 | 1.9 |
| Zafirlukast | 574.1 | 462.3 | 200 | -81 | -45 | -10 | 1.6 |
| Telmisartan (IS) | 513.2 | 287.2 | 200 | -82 | -10 | -10 | 2.1 |

DP – Declustering potential; EP – Entrance potential; CE– Collision energy; CXP – Collision cell exit potential; Rt – Retention time and IS – Internal standard; V – volts

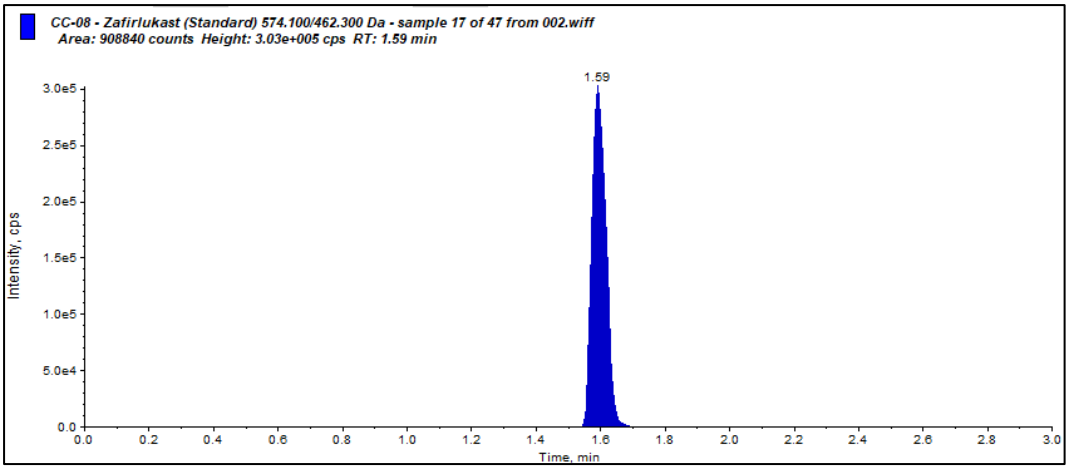


**Fig. S1 (a)** Chromatogram of zafirlukast from calibration curve standard (900 ng/mL)

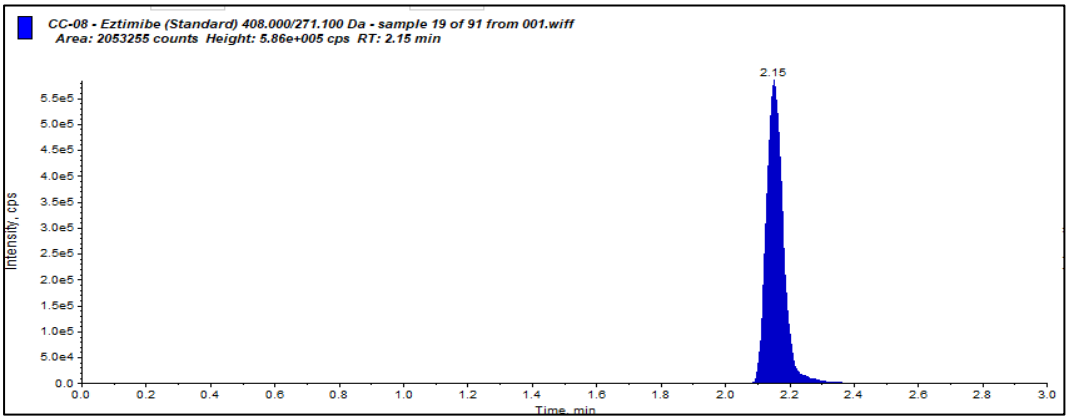


**Fig. S1 (b)** Chromatogram of ezetimibe from calibration curve standard (550 ng/mL)

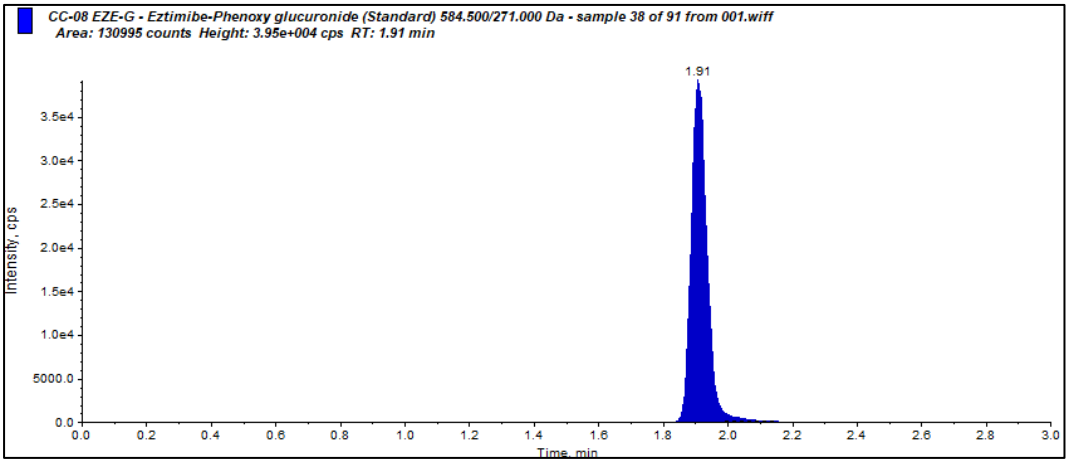


**Fig. S1 (c)** Chromatogram of ezetimibe-β-D-glucuronide from calibration curve standard (1000 ng/mL)

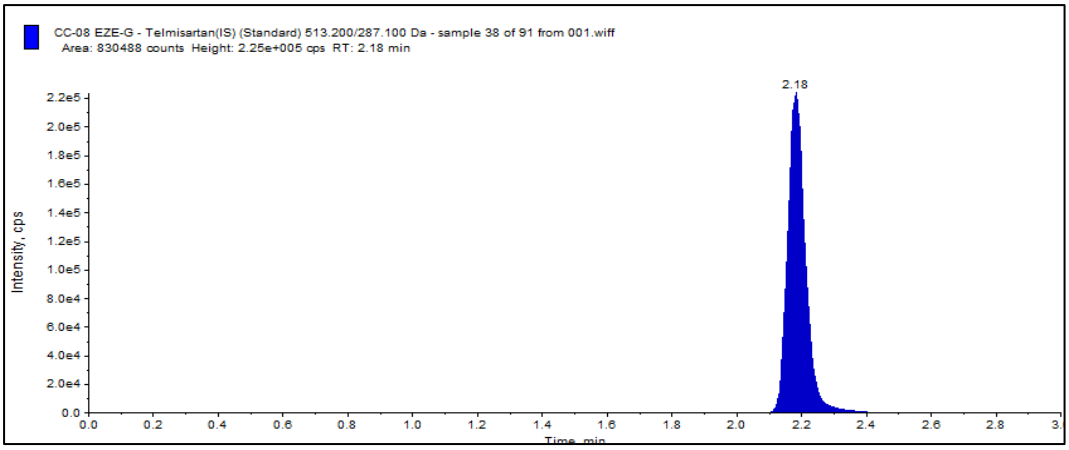


**Fig. S1 (d)** Chromatogram of telmisartan (IS) at a concentration of 100 ng/mL

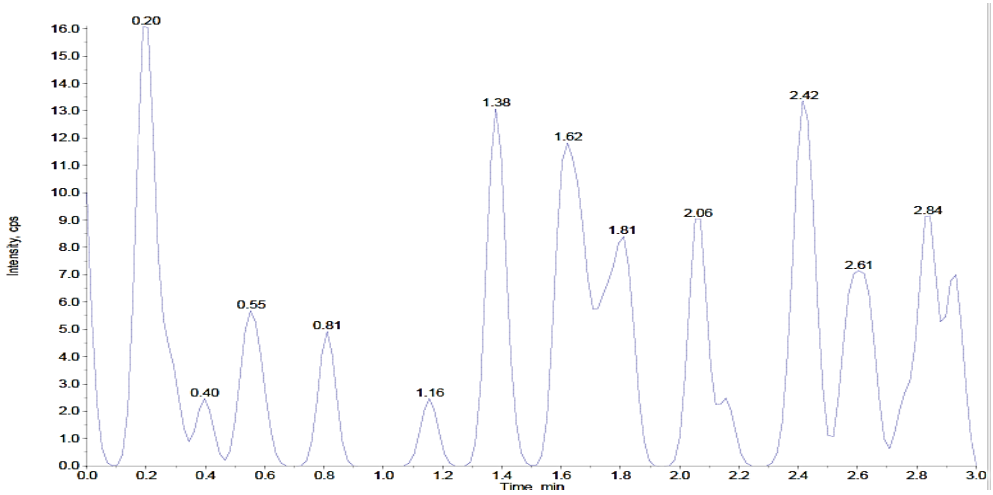


**Fig. S1 (e)** Chromatogram of blank sample