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**Supplemental Data**

*Drug Metabolism and Disposition*

**CYP and non-CYP drug metabolizing enzyme families exhibit differential sensitivities towards pro-inflammatory cytokine modulation**

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**Supplemental materials and methods: LC-MS/MS method to quantify CYP activity**

Supplemental Table 2. MRM parameters and retention time for the quantified analytes by the LC-MS/MS method.

Analyte	Q1 mass (Da)	Q3 mass (Da)	Retention time (min)	DP (V)	CE (V)	CXP (V)
Acetaminophen	152.1	110.0	1.37	46	23	12
Acetaminophen-d <sub>4</sub>	156.1	114.1	1.37	51	23	12
1'-hydroxymidazolam	341.9	203.0	3.51	86	35	12
1'-hydroxymidazolam-d <sub>4</sub>	345.9	203.0	3.51	81	37	16
4'-hydroxymephenytoin	235.1	150.1	2.70	51	25	10
4'-hydroxymephenytoin-d <sub>3</sub>	238.1	150.1	2.70	41	25	14
4'-hydroxydiclofenac	312.0	230.0	4.02	46	43	12
4'-hydroxydiclofenac- <sup>13</sup> C <sub>6</sub>	318.0	236.0	4.02	51	43	12