

Table S1. Linear equations, linear ranges, and correlation coefficients for standard curves

Metabolites	Linear equations	Linear ranges	Correlation coefficients
4-Hydroxytolbutamide	$y=0.001001x+0.0006954$	0.01~80 nmol/L	0.9972
5-Hydroxyomeprazole	$y=0.005193x+0.01897$	0.1~200 nmol/L	0.9964
P-hydroxyphenytoin	$Y=0.0006528X+0.005062$	0.01~500 nmol/L	0.9974

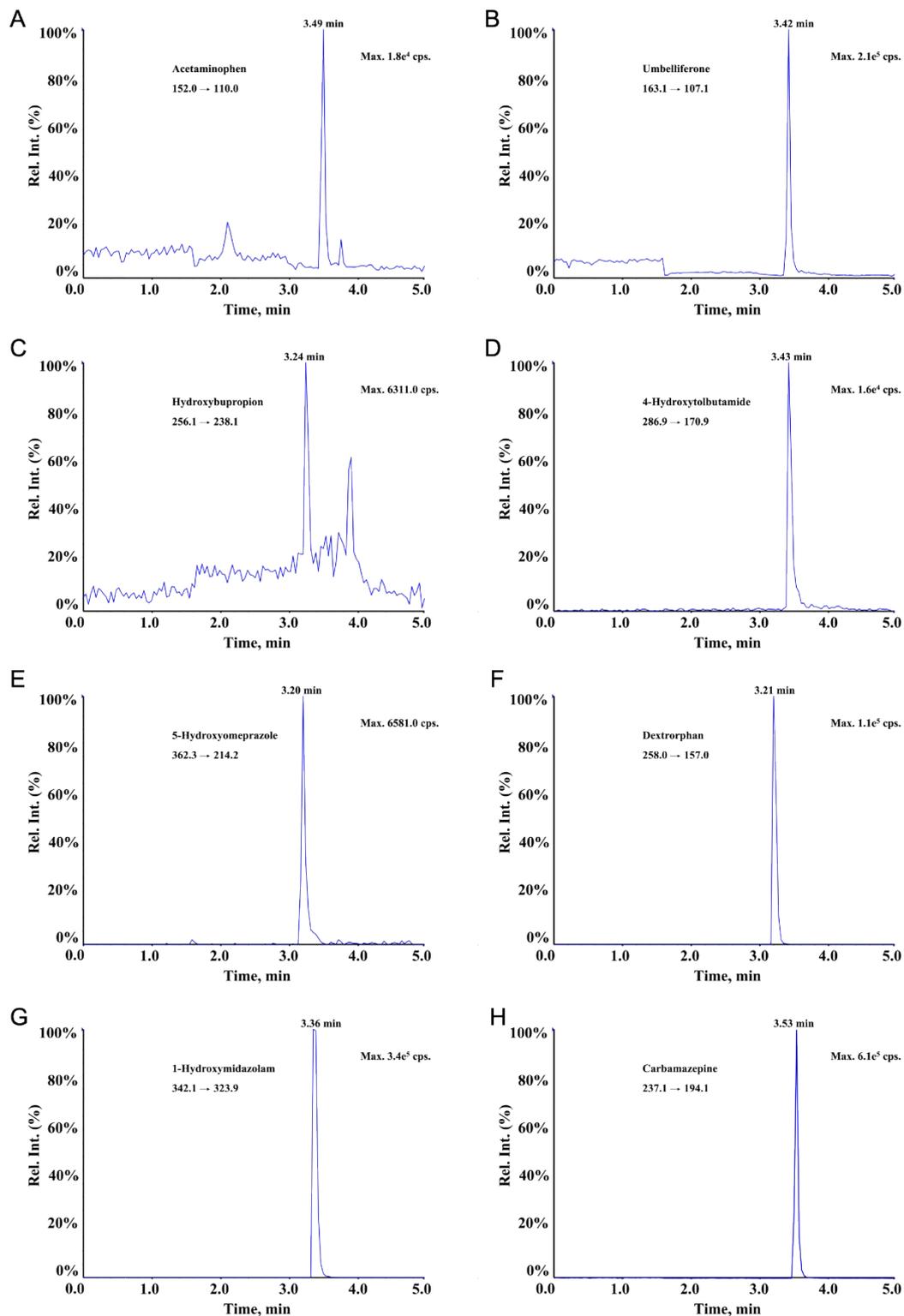


Figure S1. Extracted ion chromatogram of acetaminophen (A), umbelliferone (B), hydroxybupropion (C), 4-hydroxytolbutamide (D), 5-hydroxyomeprazole (E), dextroprphan (F), 1-hydroxymidazolam (G), and carbamazepine (H)

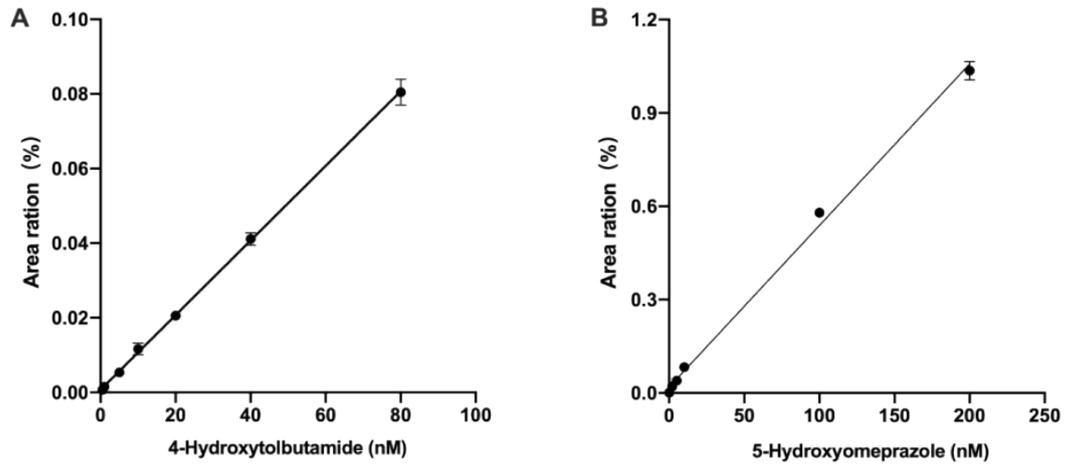


Figure S2. The standard curve of 4-Hydroxytolbutamide (A) and 5-Hydroxyomeprazole (B)

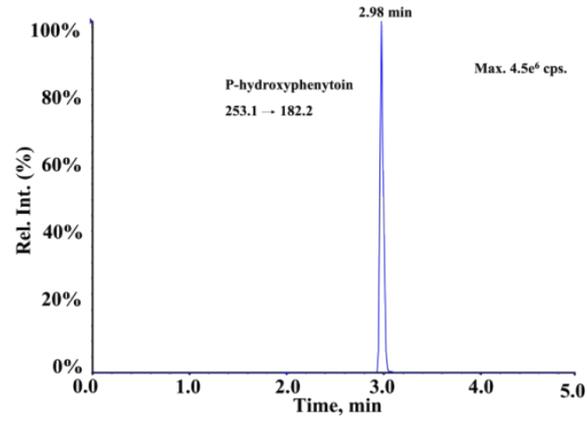


Figure S3. Extracted ion chromatogram of P-hydroxyphenytoin

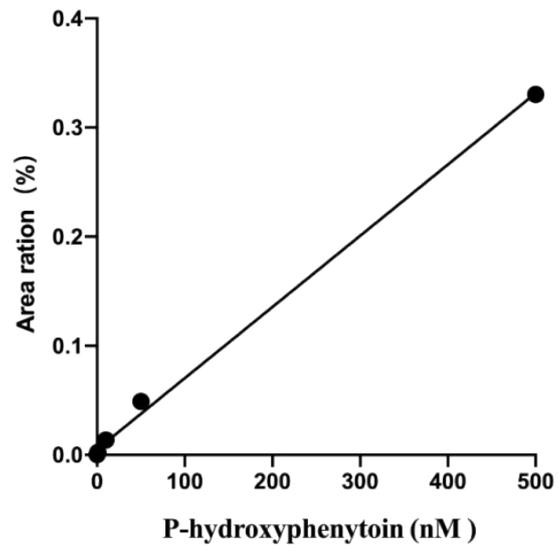


Figure S4. The standard curve of P-hydroxyphenytoin