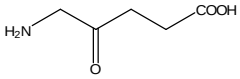
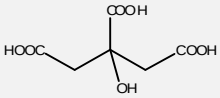
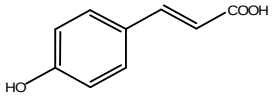
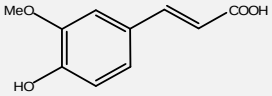
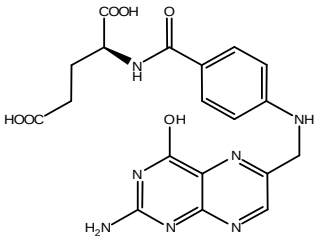
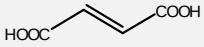
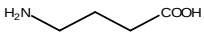
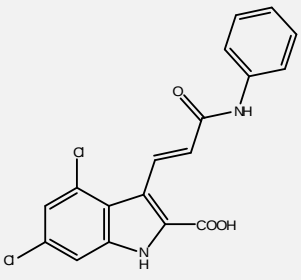
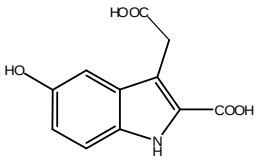
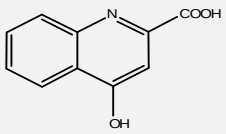
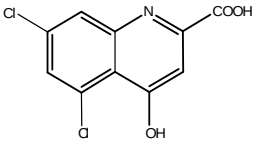
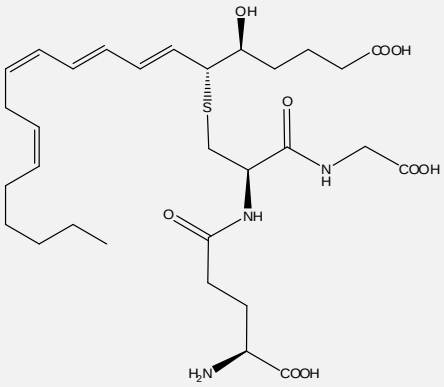
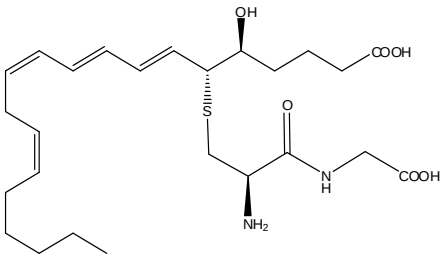
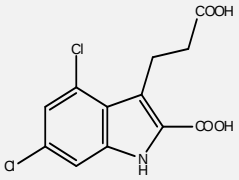
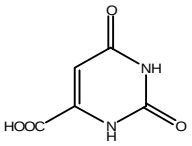
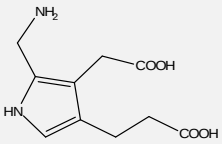
Supplemental Table 1

Test compound	Test concentration	Chemical structure
5-Aminolevulinic acid	100 µM – 1 mM	
Citric acid	30 µM	
p-Coumaric acid	30 µM	
Ferulic acid	30 µM	
Folic acid	30 µM	
Fumaric acid	30 µM	
γ-Aminobutyric acid	30 µM	
Gavestinel	1-100 µM	
5-Hydroxyindoleacetic acid	30 µM	

Kynurenic acid	30 µM	
5,7-Dichlorokynurenic acid	30 µM	
LTC4	0.01 nM-1 µM	
LTD4	0.1 nM – 1 µM	
MDL29,951	1 nM – 100 µM	
Orotic acid	30 µM	
Porphobilinogen	10 µM	

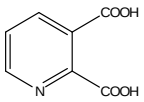
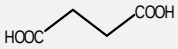
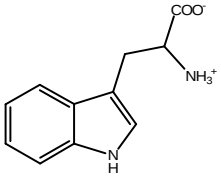
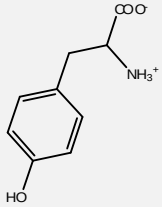
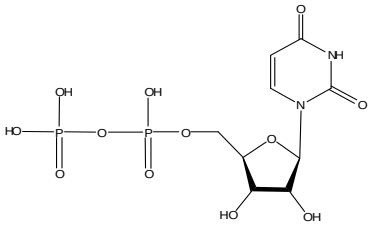
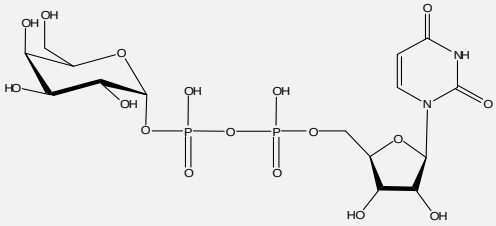
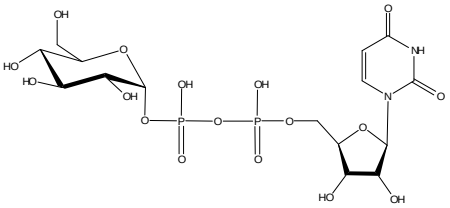
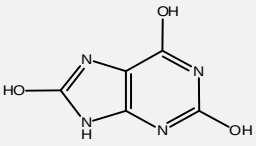
Qinolinic acid	30 µM	
Succinic acid	30 µM	
Tryptophane	30 µM	
Tyrosine	30 µM	
UDP	0.1 nM – 100 µM	
UDP-galactose	0.1 nM – 100 µM	
UDP-glucose	0.1 nM – 100 µM	
Uric acid	30 µM	

Table S1. Chemical structures of test compounds selected for biomolecular screening at GPR17. Molecules that qualified for the biomolecular screening contain at least one negative charge and/or represent precursors or intermediates of metabolic pathways with particular links to CNS activity. The concentration(range) applied in the biomolecular screening is indicated. UDP: uridine-diphosphate.