

## Supplementary Information

### **Biotransformation of 8:2 Fluorotelomer Alcohol by Recombinant Human Cytochrome P450s, Human Liver Microsomes and Human Liver Cytosol**

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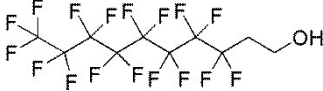
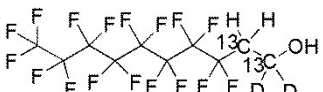
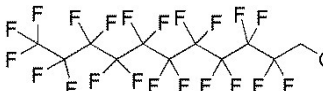
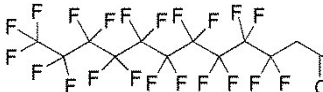
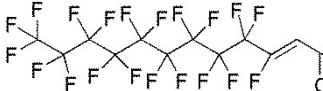
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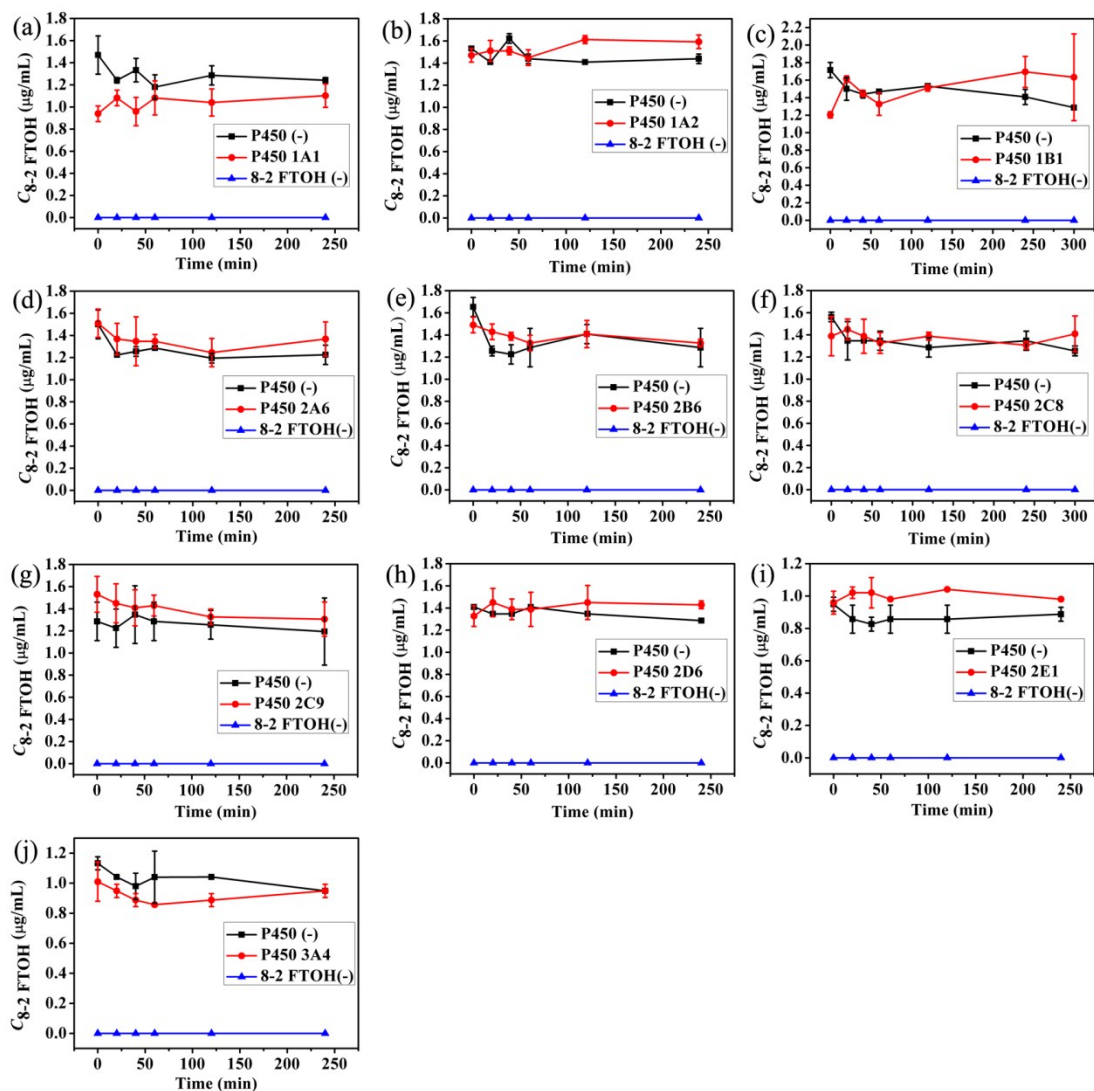
## **TABLE OF CONTENTS**

<b>Fig. S1</b> Gas chromatogram (a) and mass spectrum (b) of the synthesized 8:2 FTAL.....	3
<b>Table 1</b> Abbreviations, molecular structures, and molecular weight of 8:2 FTOH and the analogs.....	4
<b>Fig. S2</b> 8:2 FTOH metabolism by various recombinant human CYPs. 4 $\mu$ M 8:2 FTOH incubated with 21.4 pmol/mL (a) CYP1A1, (b) CYP1A2, (c) CYP1B1, (d) CYP2A6, (e) CYP2B6, (f) CYP2C8, (g) CYP2C9, (h) CYP2D6, (i) CYP2E1 and (j) CYP3A4 for up to 4 hr. Samples were prepared in triplicate. ....	5
<b>Fig. S3</b> HPLC-MS/MS chromatogram of DNPH derivatized 8:2 FTAL standard.....	6
<b>References</b> .....	7

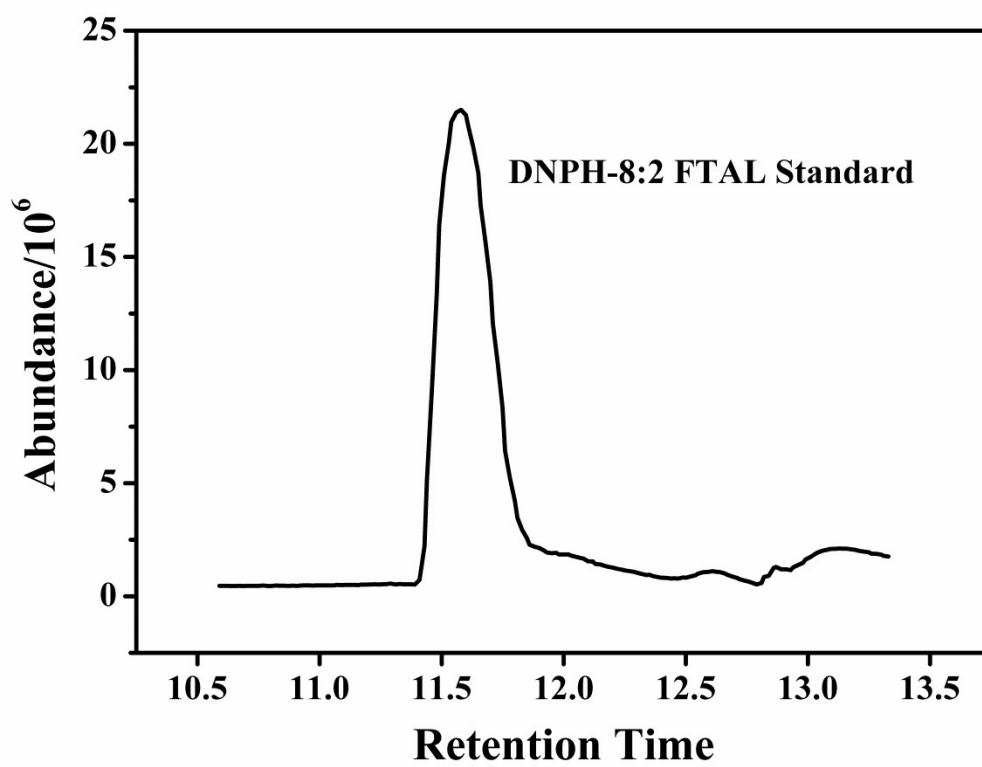


**Table S1** Abbreviations, molecular structures, and molecular weight of 8:2 FTOH and the analogs.

FTOHs or FTOH analogs	Abbreviation	Molecular Structure	Molecular Weight
8:2 Fluorotelomer Alcohol	8:2 FTOH		464.12
Isotope labeled 8:2 Fluorotelomer Alcohol	m8:2 FTOH		468.12
8:1 Fluorotelomer Alcohol	8:1 FTOH		450.09
8:2 Fluorotelomer Aldehyde	8:2 FTAL		462.10
8:2 Fluorotelomer $\alpha$ , $\beta$ - Unsaturated Aldehyde	8:2 FTUAL		442.10



**Fig. S2** 8:2 FTOH metabolism by various recombinant human CYPs. 4 µM 8:2 FTOH incubated with 21.4 pmol/mL (a) CYP1A1, (b) CYP1A2, (c) CYP1B1, (d) CYP2A6, (e) CYP2B6, (f) CYP2C8, (g) CYP2C9, (h) CYP2D6, (i) CYP2E1 and (j) CYP3A4 for up to 4 hr. Samples were prepared in triplicates.



**Fig. S3** HPLC-MS/MS chromatogram of DNPH derivatized 8:2 FTAL standard.

## References

1. B. Szostek and K. B. Prickett, *J. Chromatogr. B*, 2004, **813**, 313-321.