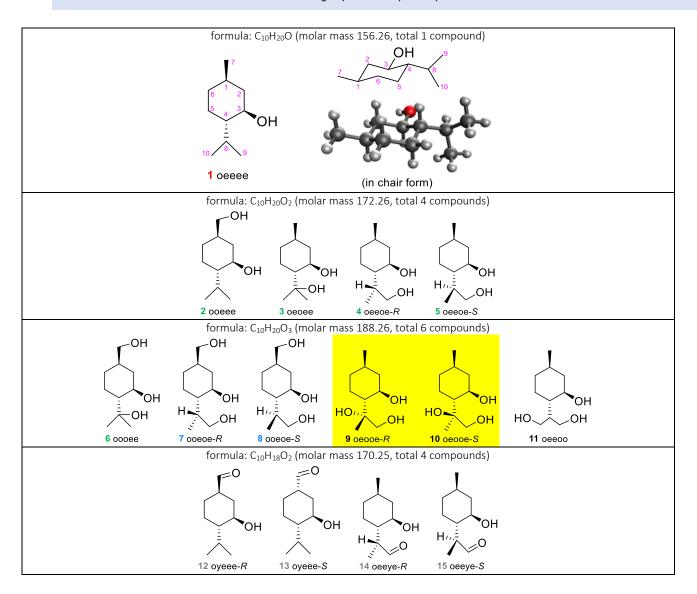
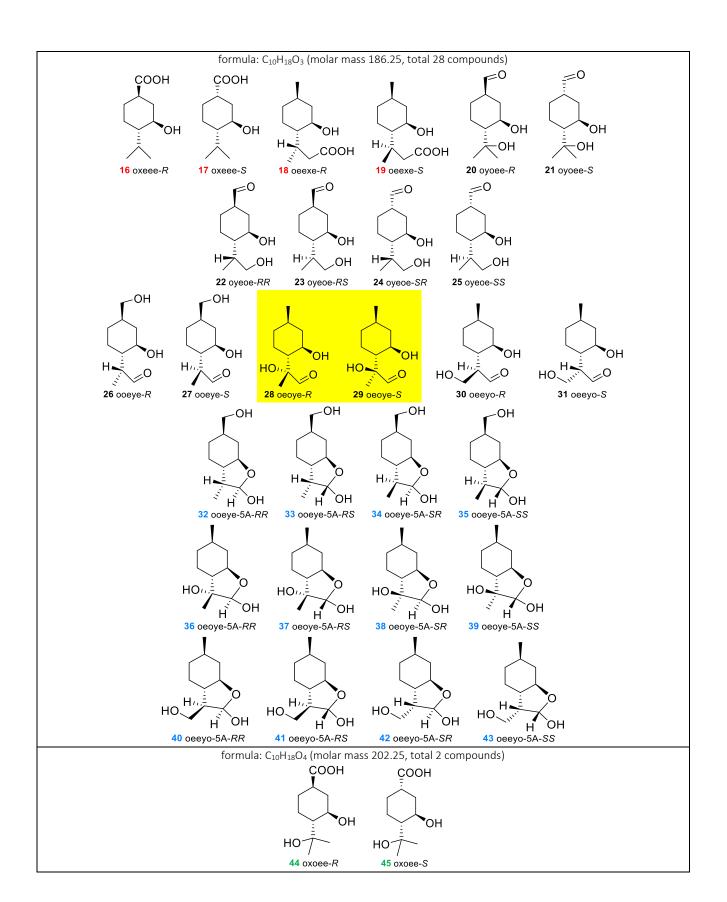
## Abbreviations for the nomenclature of menthol metabolites referred to by the present study and

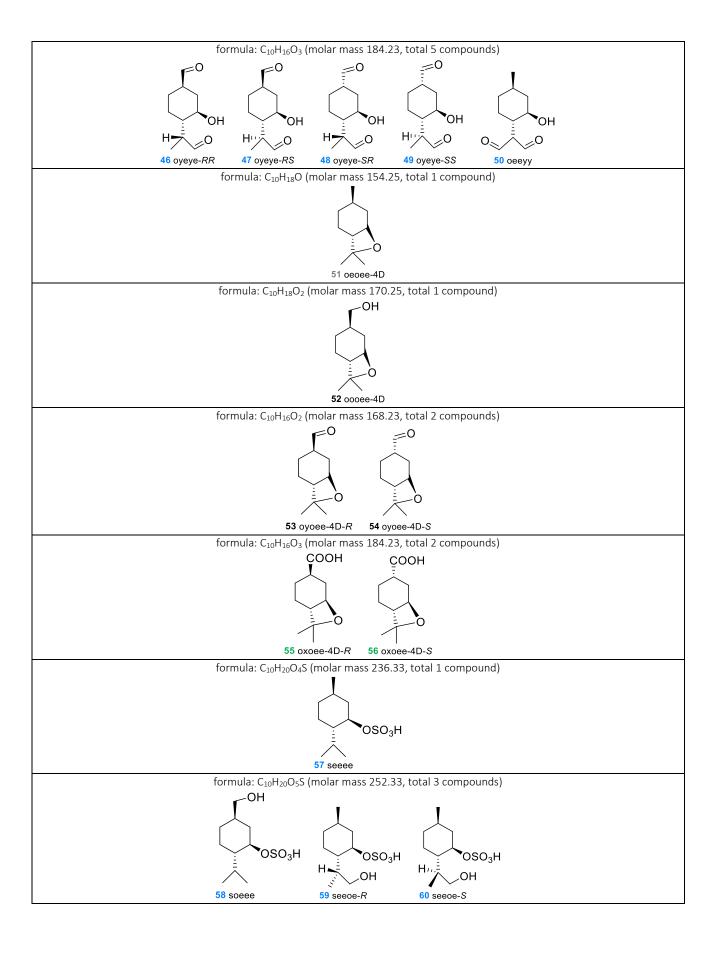
a list of 102 compounds in this study grouped by molecular formula

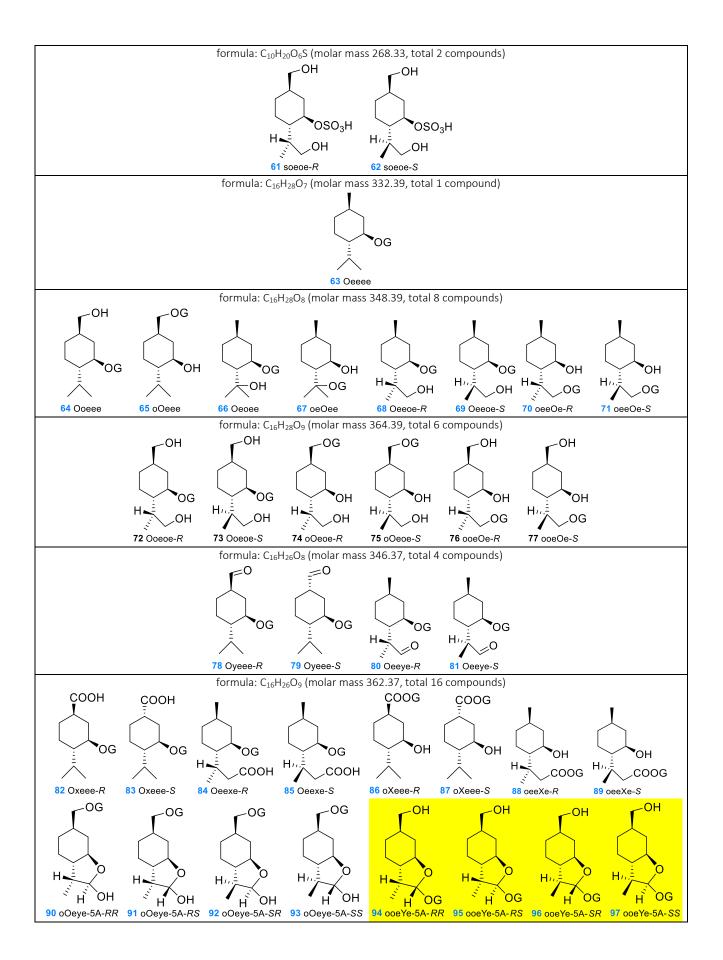
Position Group	3	7	8	9	10	7
Original form	0	е	е	е	е	
Alkan <b>e</b>	-	е	е	е	е	
Alcoh <b>o</b> l	0	0	0	<u>o</u>	0	6 2
Aldeh <b>y</b> de	у	Ϋ́	-	У	у	5 3
Carboxylic acid	-	<u>x</u>	-	<u>x</u>	-	1 4 OH
<b>D</b> ehydration	-4D for four-membered ring formation at positions 3 and 8					<u> </u>
Aldol reaction	-5A for four-membered ring formation at positions 3 and 9					
Glucuronic acid	0	<u>O,X</u>	-	<u>O,X,Y</u>	-	10 / 8 \ 9
Sulfate group	S	-	-	-	-	

- An underlined indicates that there are R and S stereoisomers due to the substitution.
- Substitution at position 9 leads to a new chiral center if it is not the same as 10.
- Substitution at position 10 is forced to have lower or the same oxidation state for the carbon atom when compared to position 9.
- Dashes are where substitution with the functional group at that respective position cannot occur









## Notes

- Compounds are highlighted in yellow when their RS designator changes from their parent compounds.
- G stands for a glucuronyl group: