

Fig. 6 Activation of human TRPV1 and TRPA1 by acrylates/methacrylate and its esters.

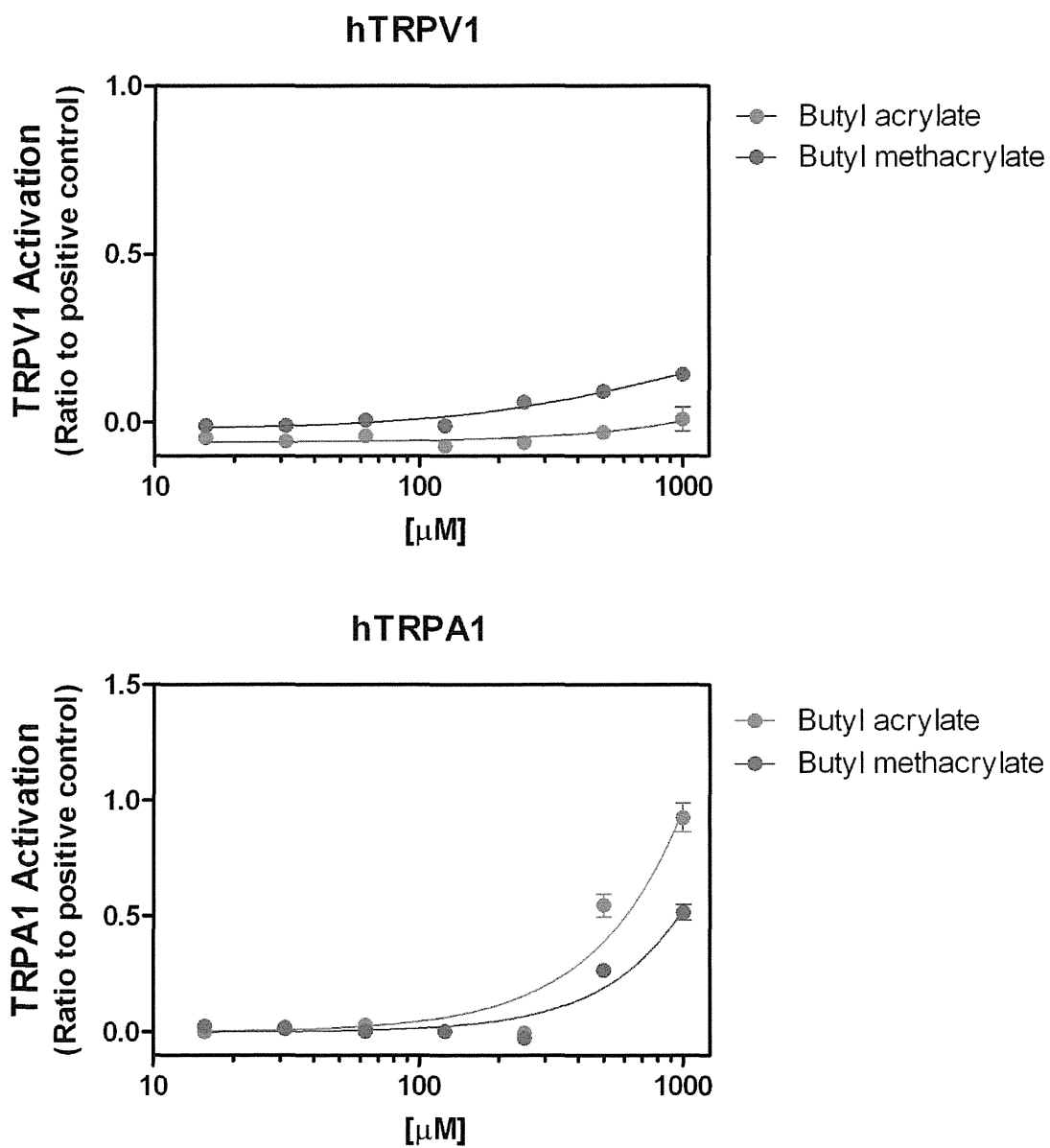
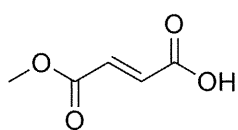
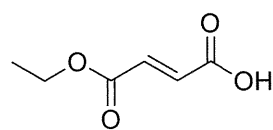


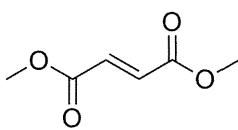
Fig. 7 Dose-response analysis of human TRPV1 and TRPA1 activation by acrylates/methacrylate and its esters.



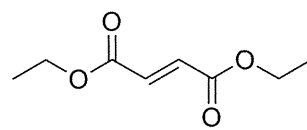
Monomethyl fumarate



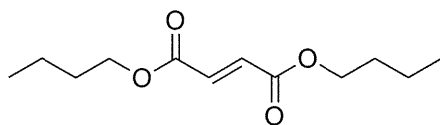
Monoethyl fumarate



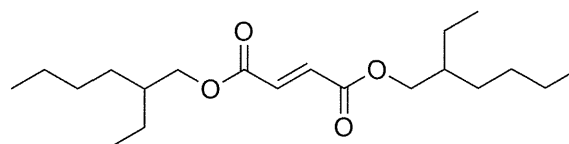
Dimethyl fumarate



Diethyl fumarate



Dibutyl fumarate



Bis(2-ethylhexyl) fumarate

Fig. 8 Chemical structures of fumarate esters assayed in this study.

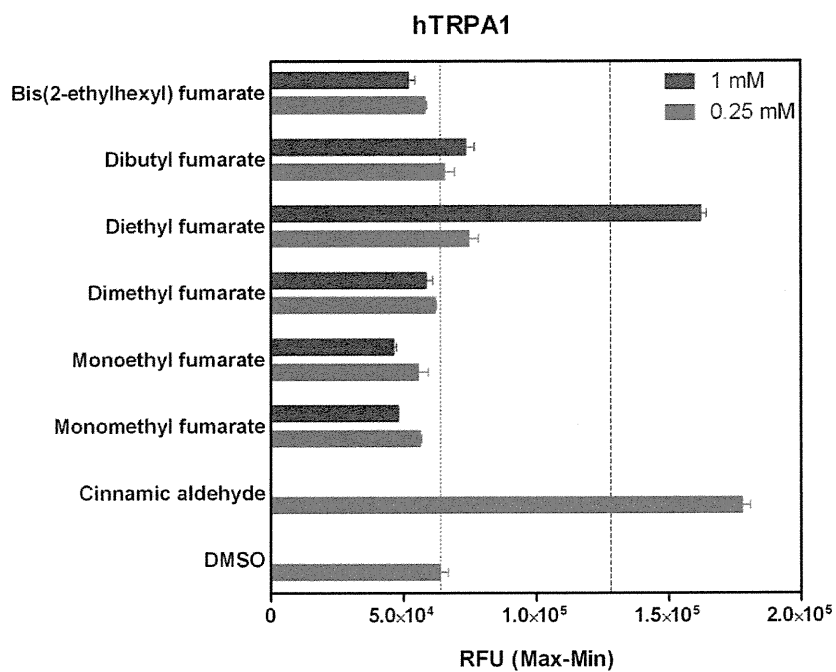
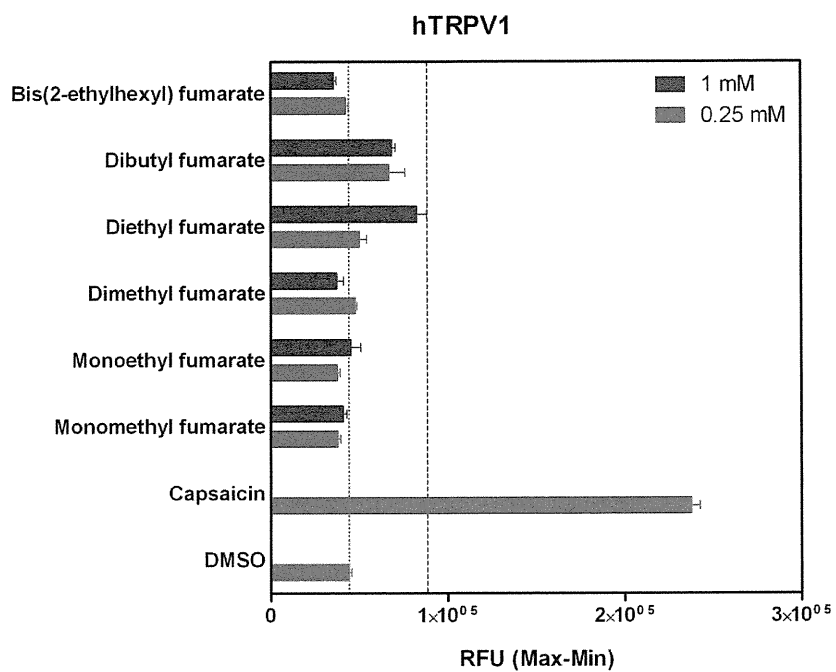


Fig. 9 Activation of human TRPV1 and TRPA1 by fumarate esters.

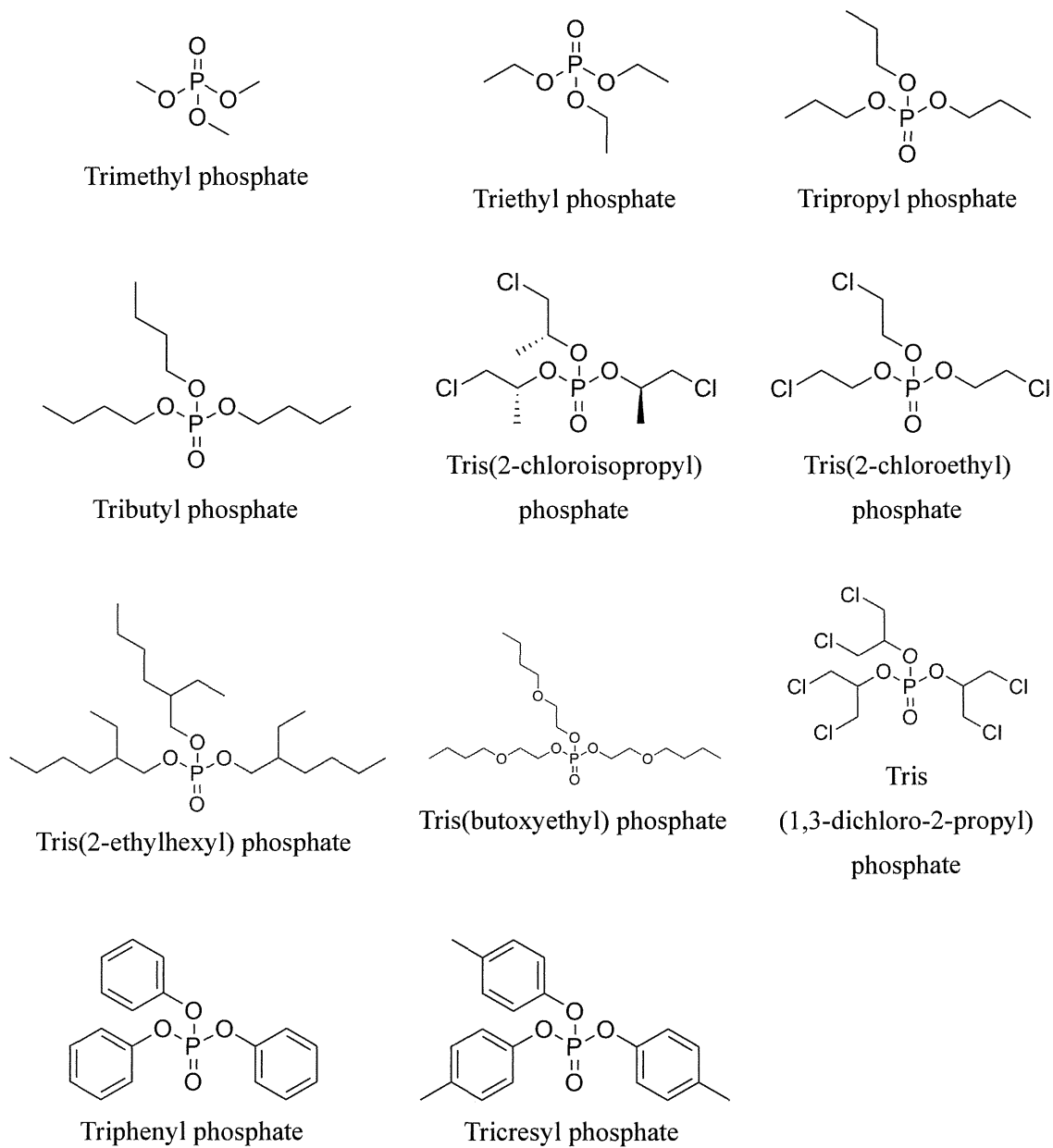


Fig. 10 Chemical structures of phosphate triesters assayed in this study.

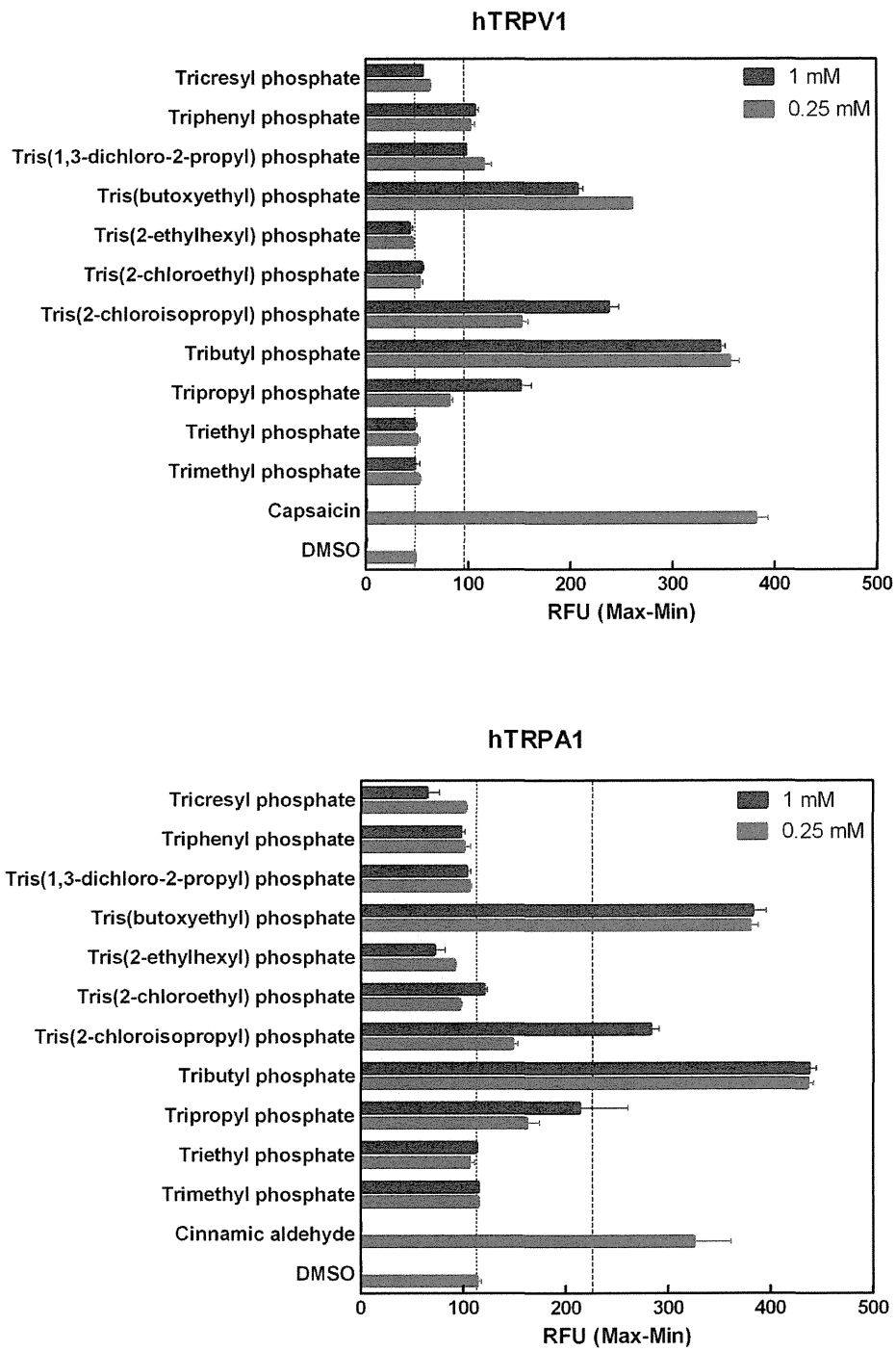


Fig. 11 Activation of human TRPV1 and TRPA1 by phosphate triesters.

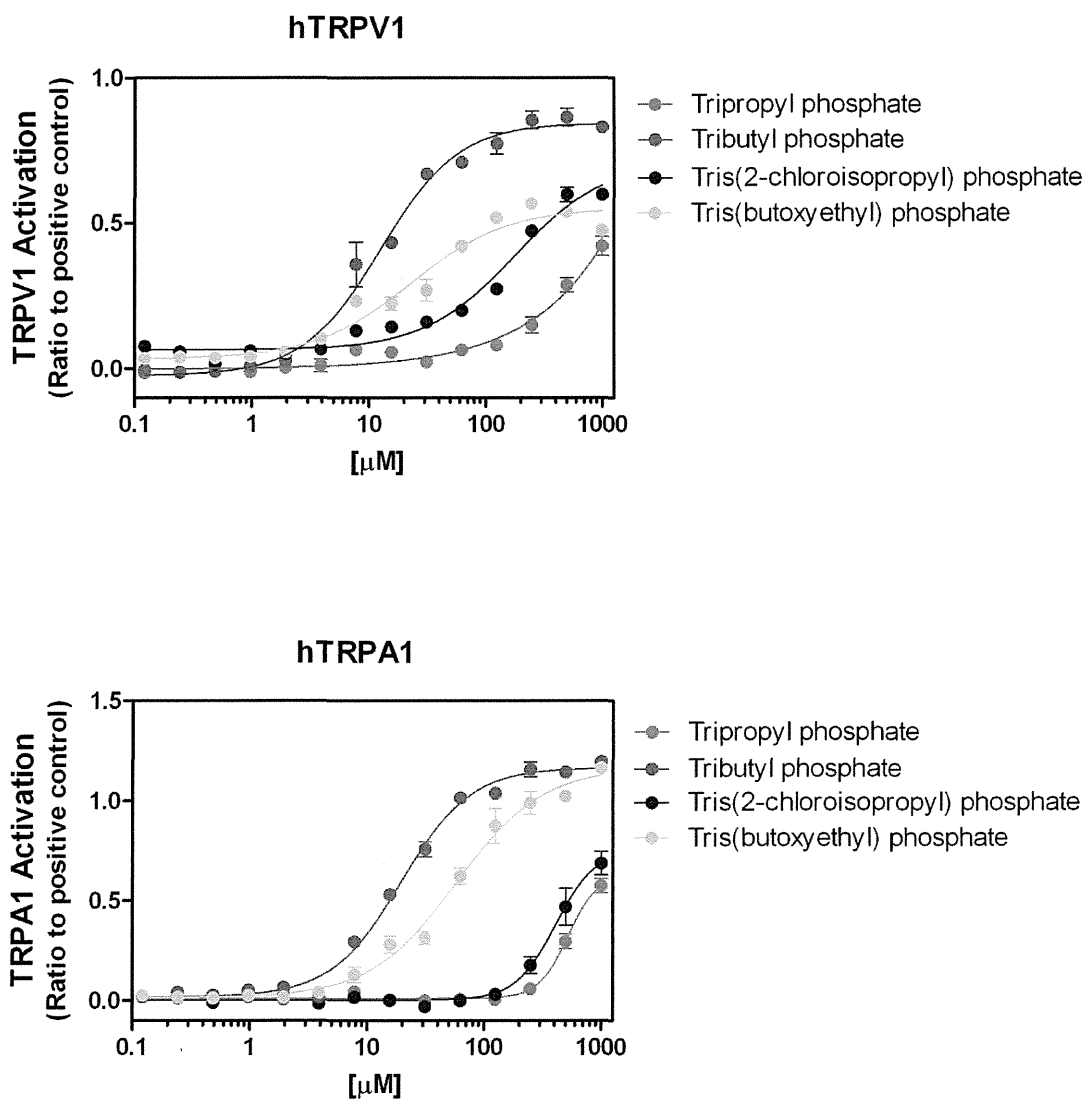
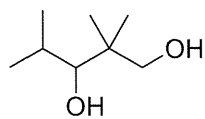
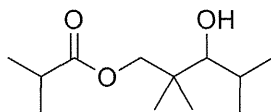


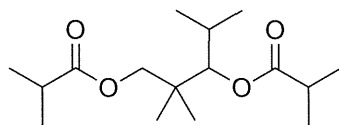
Fig. 12 Dose-response analysis of human TRPV1 and TRPA1 activation by phosphate triesters.



2,2,4-Trimethyl-1,3-pentanediol



Trimethyl-1,3-pentanediol monoisobutyrate; Texanol



2,2,4-Trimethyl-1,3-pentanediol diisobutyrate; TXIB

Fig. 13 Chemical structures of Texanol and TXIB.

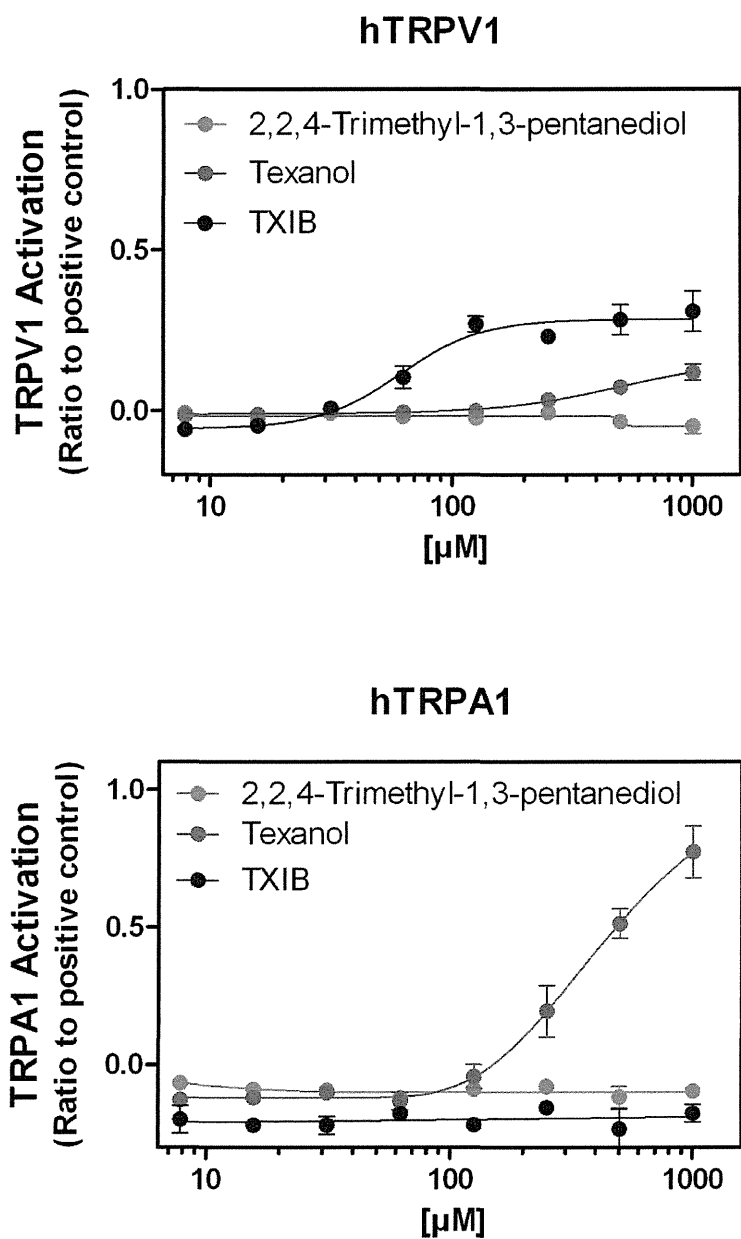
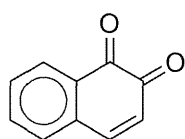
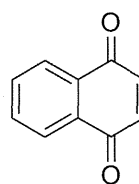


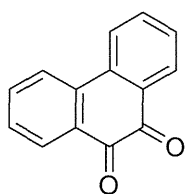
Fig. 14 Dose-response analysis of human TRPV1 and TRPA1 activation by Texanol and TXIB.



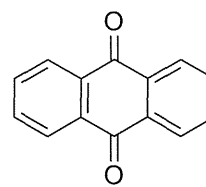
1,2-Naphthoquinone



1,4-Naphthoquinone



9,10-Phenanthrenequinone



Anthraquinone

Fig. 15 Chemical structures of naphthoquinones assayed in this study.

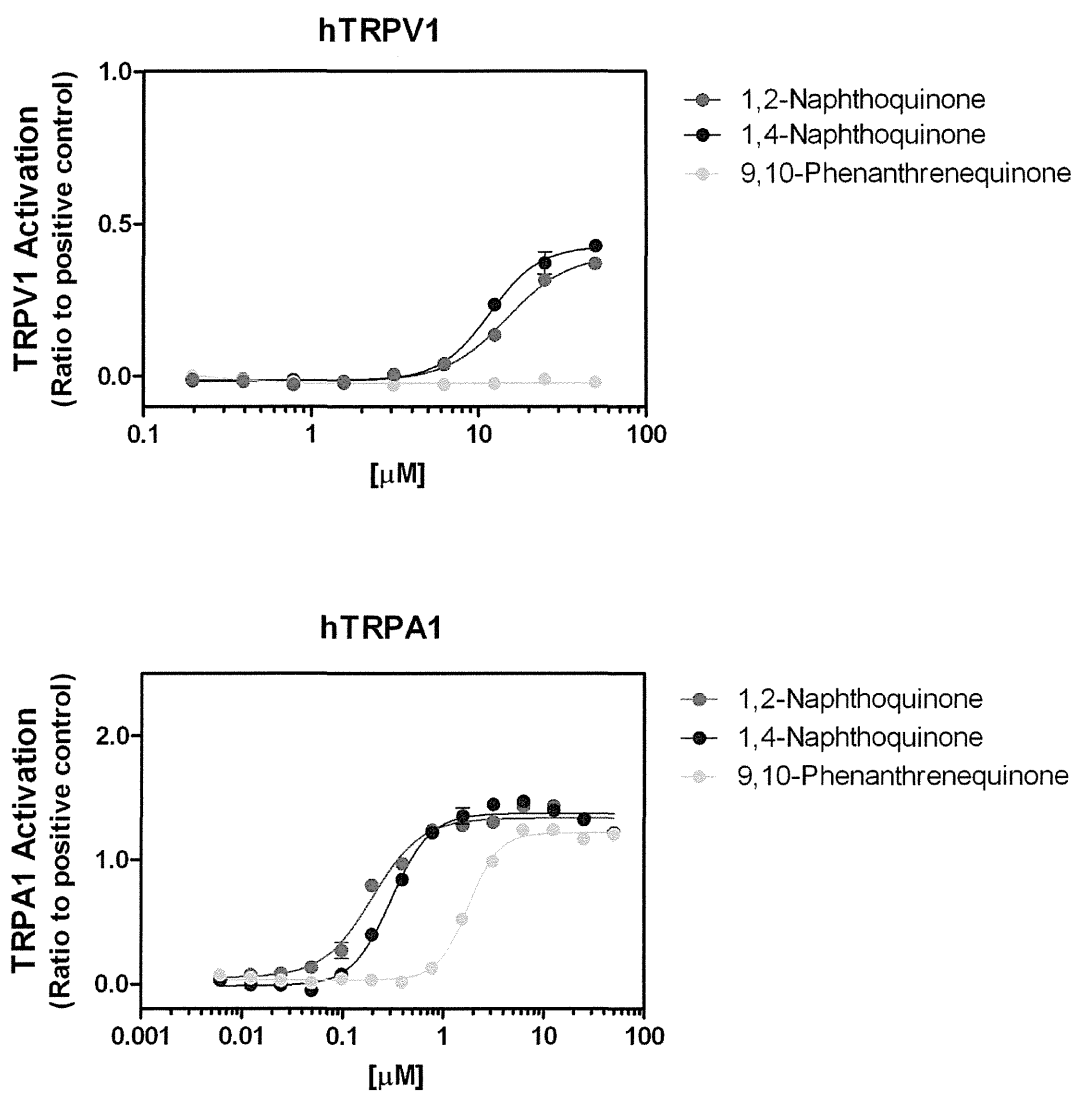


Fig. 16 Dose-response analysis of human TRPV1 and TRPA1 activation by naphthoquinones.

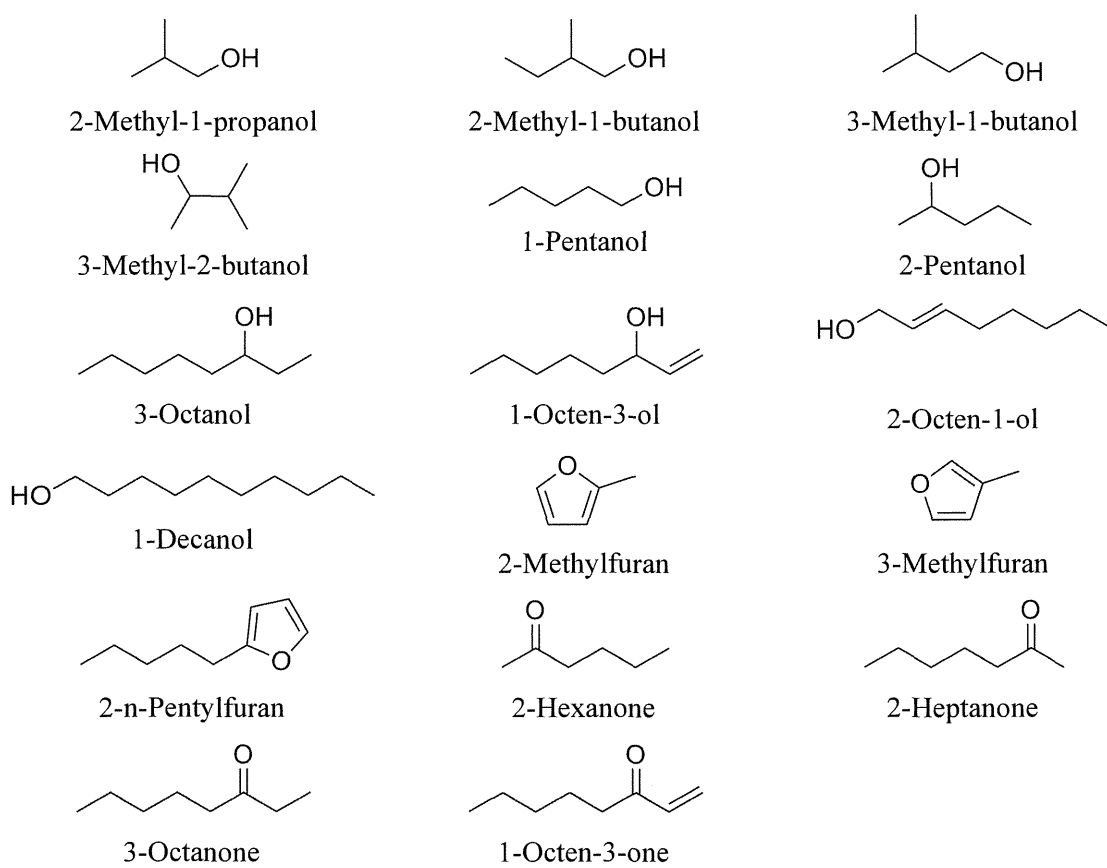


Fig. 17 Chemical structures of microbial volatile organic compounds assayed in this study.

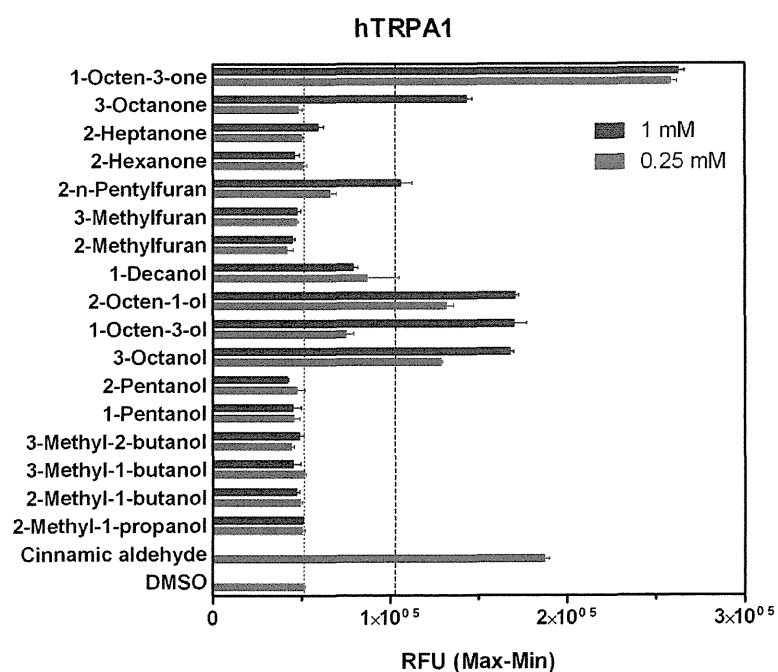
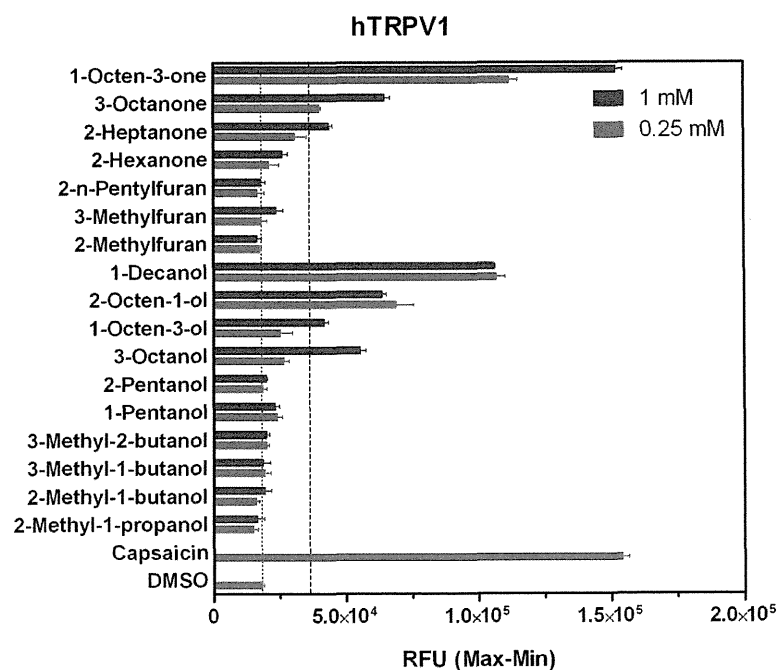


Fig. 18 Activation of human TRPV1 and TRPA1 by microbial volatile organic compounds.

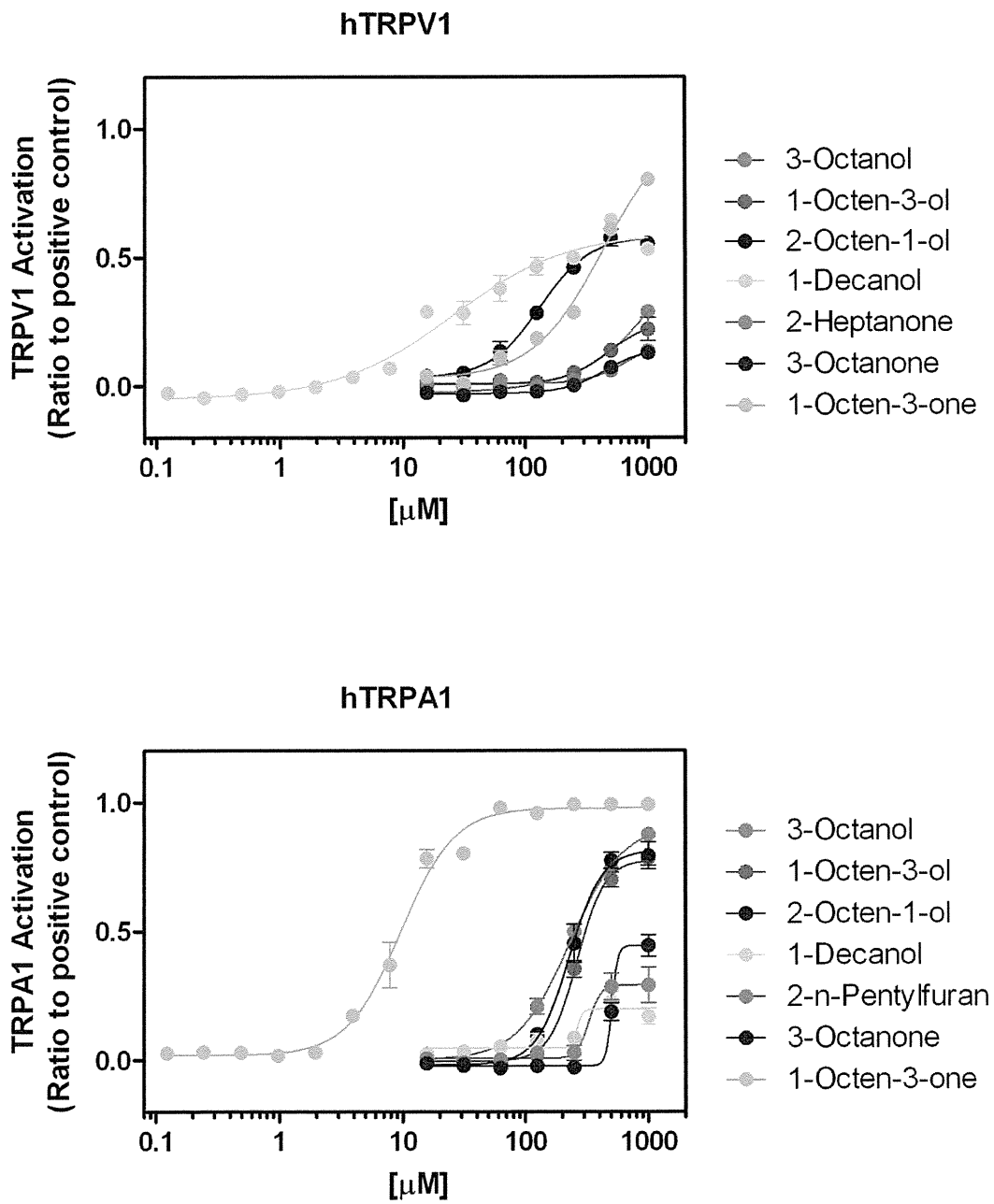


Fig. 19 Dose-response analysis of human TRPV1 and TRPA1 activation by microbial volatile organic compounds.

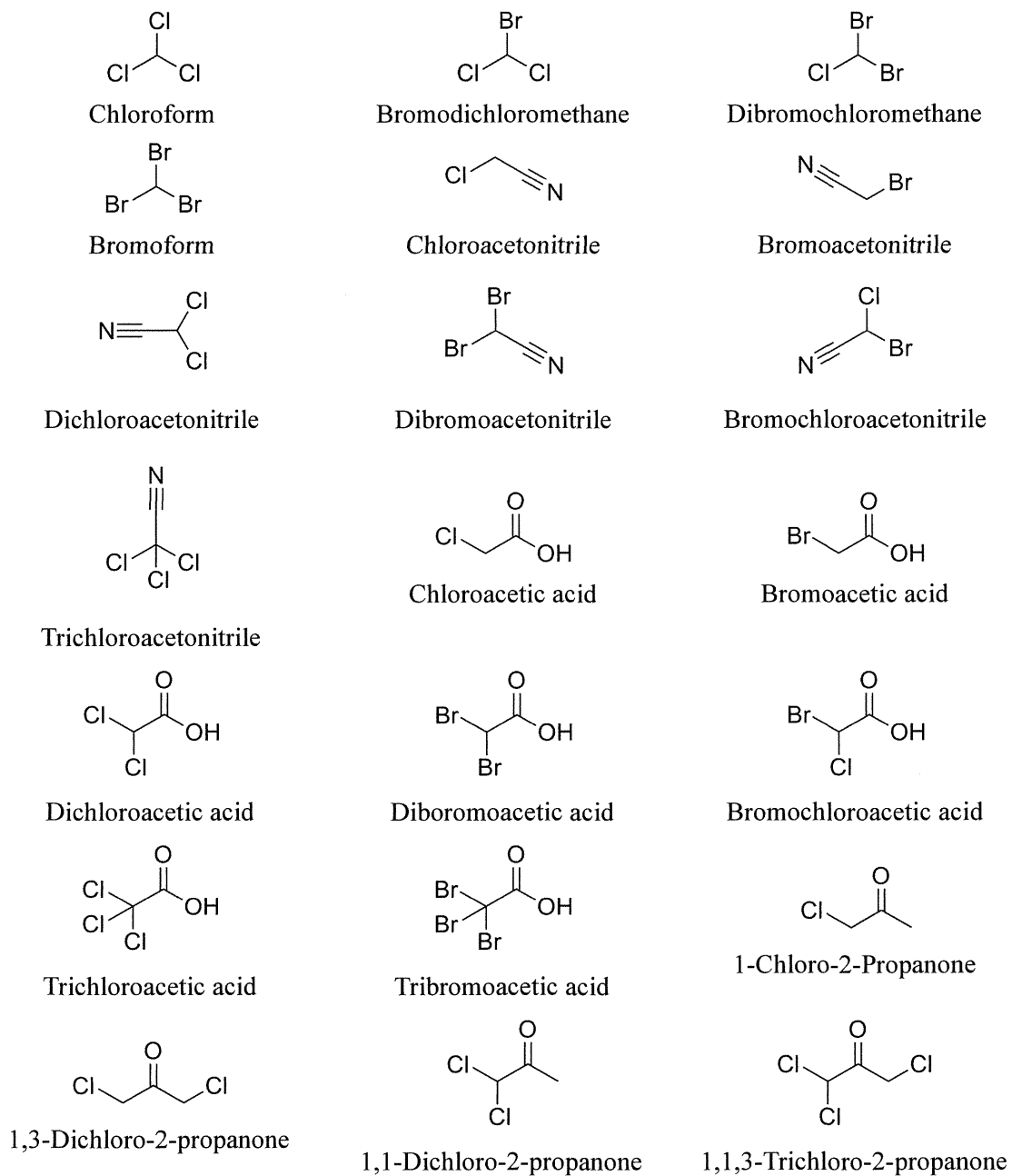


Fig. 20 Chemical structures of disinfection by-products assayed in this study.

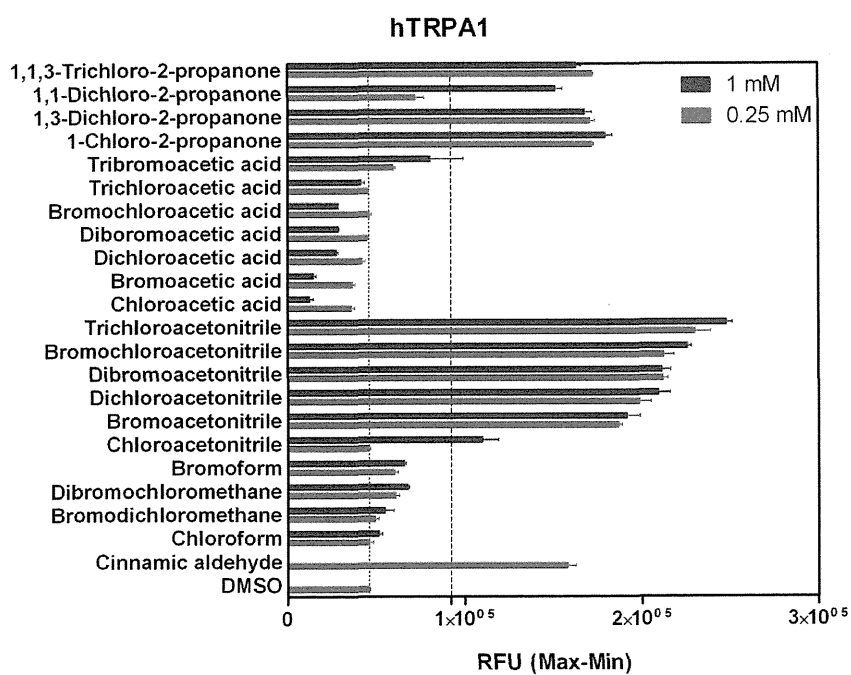
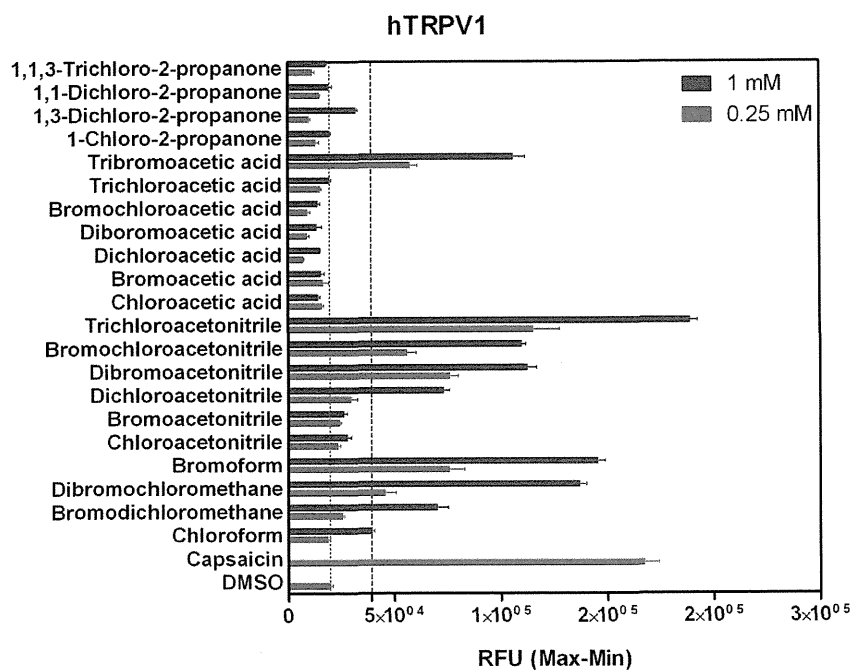


Fig. 21 Activation of human TRPV1 and TRPA1 by disinfection by-products.

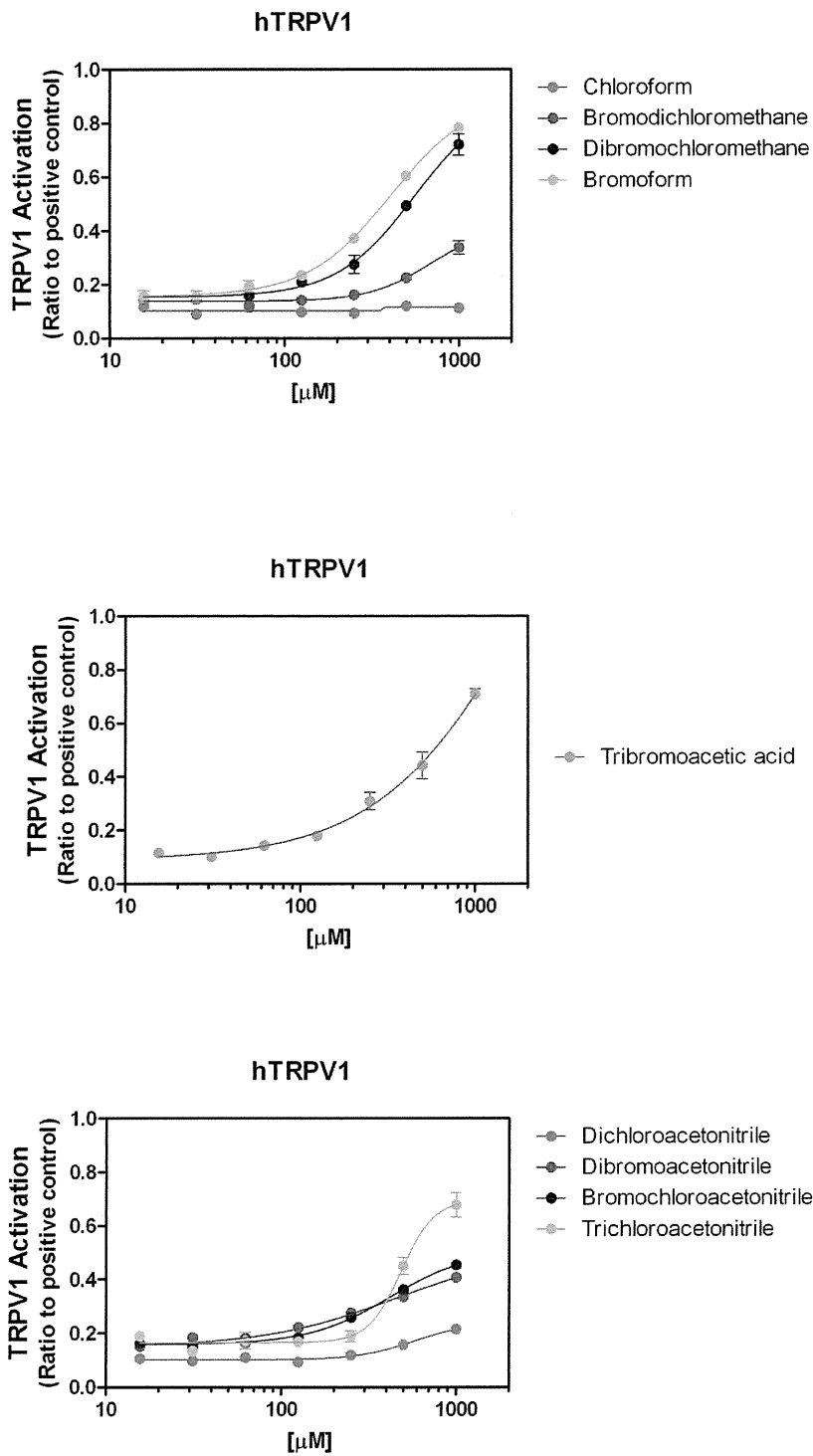


Fig. 22-1 Dose-response analysis of human TRPV1 and TRPA1 activation by disinfection by-products.

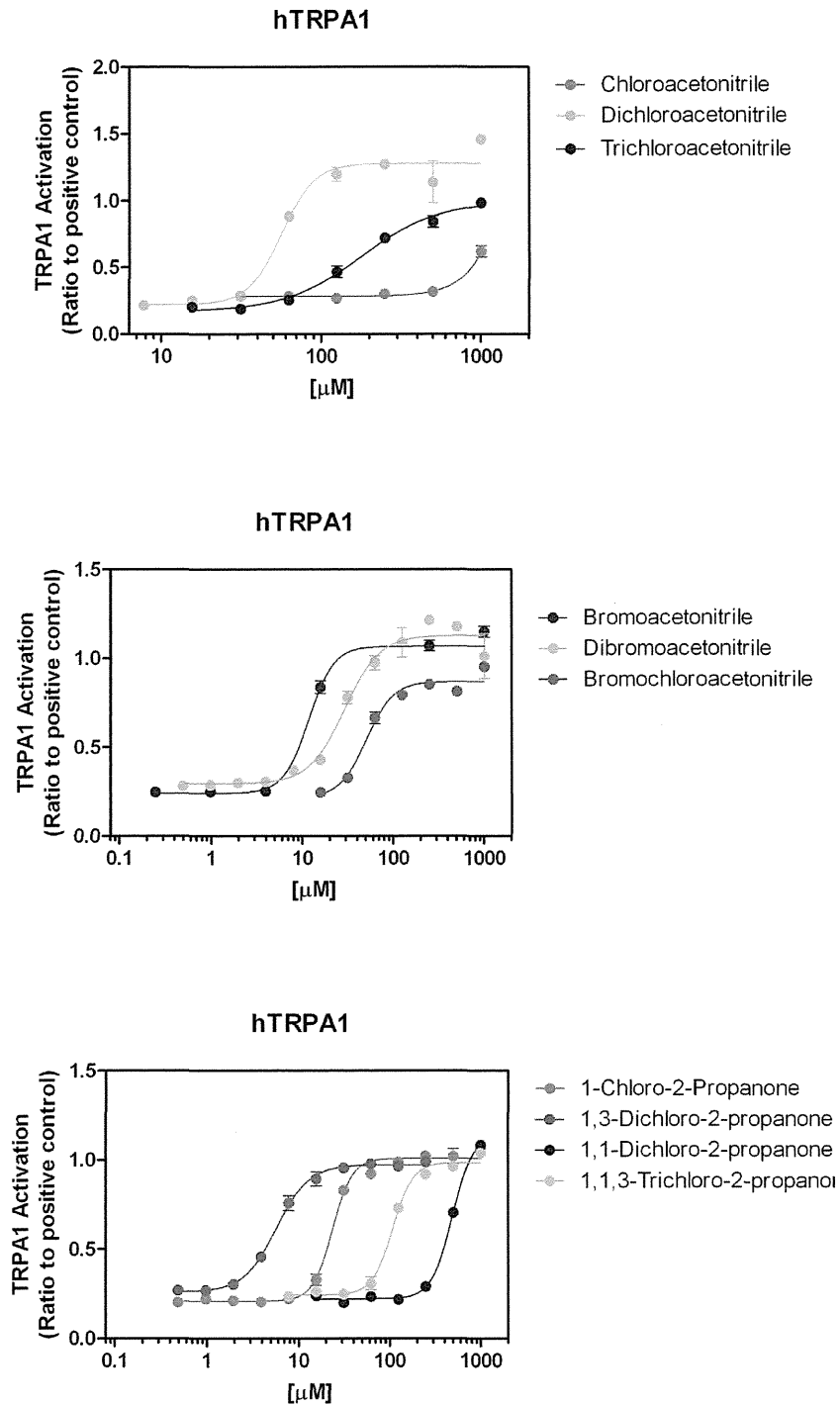
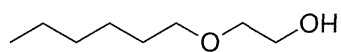
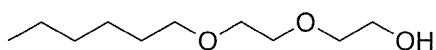


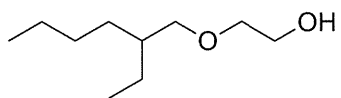
Fig. 22-2 Dose-response analysis of human TRPV1 and TRPA1 activation by disinfection by-products.



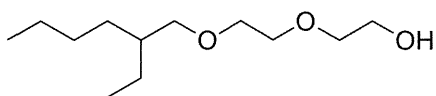
Ethylene glycol monoethyl ether



Diethylene glycol monoethyl ether



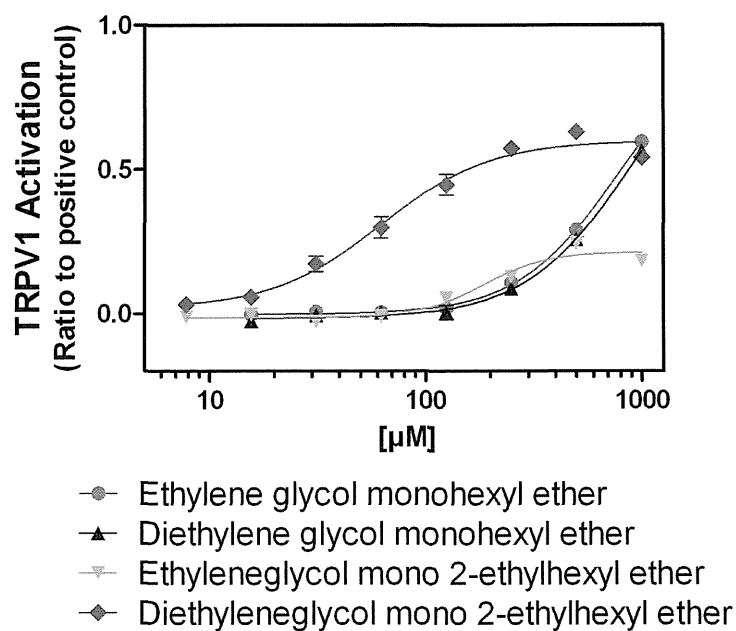
Ethyleneglycol mono 2-ethylhexyl ether



Diethyleneglycol mono 2-ethylhexyl ether

Fig. 23 Chemical structures of glycol ethers assayed in this study.

hTRPV1



hTRPA1

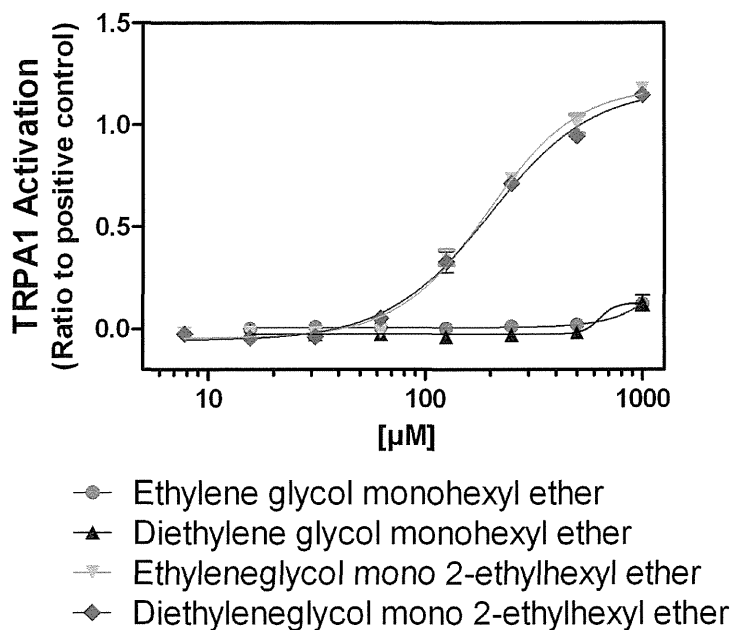


Fig. 24 Activation of hTRPV1 and hTRPA1 by glycol ethers.