



Profiling of benzophenone derivatives using fish and human estrogen receptor-specific in vitro bioassays.

José-Manuel Molina-Molina, Aurélie Escande, Arnaud Pillon, Elena Gomez, Farzad Pakdel, Vincent Cavaillès, Nicolás Olea, Sélim Aït-Aïssa, Patrick Balaguer

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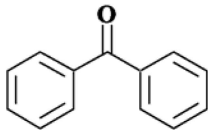
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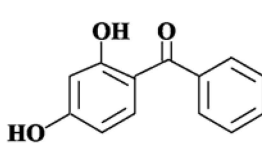
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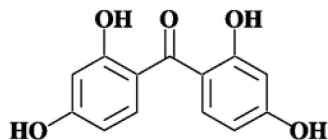
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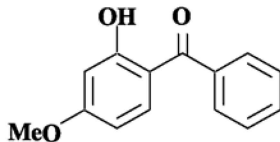
BP
(benzophenone)



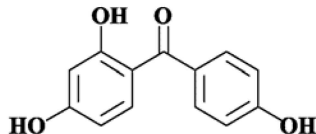
BP1
(2,4-dihydroxybenzophenone)



BP2
(2,2',4,4'-tetrahydroxybenzophenone)

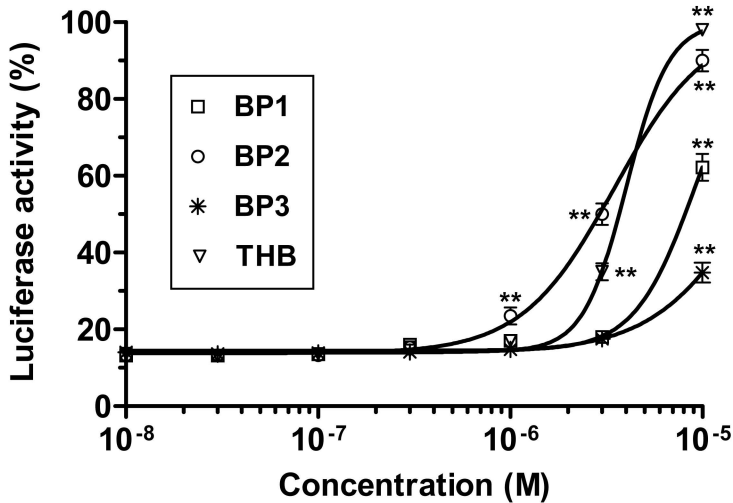


BP3
(2-hydroxy-4-methoxybenzophenone)

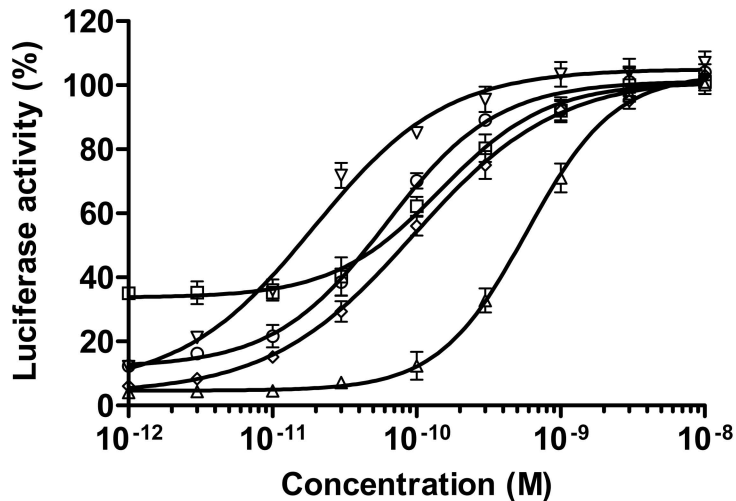


THB
(2,4,4'-trihydroxybenzophenone)

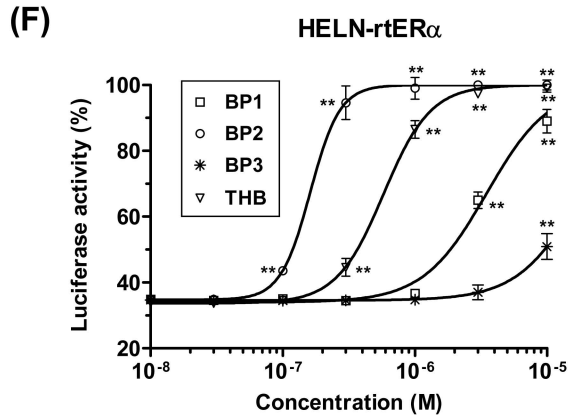
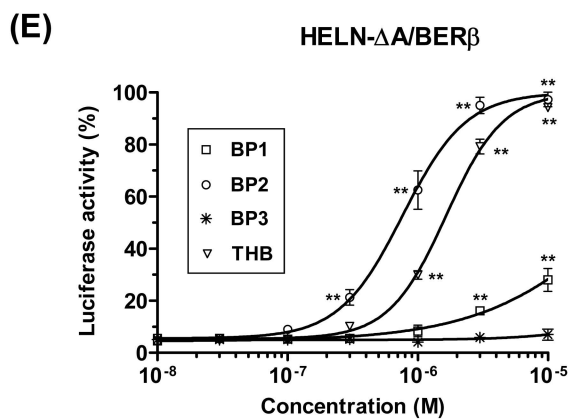
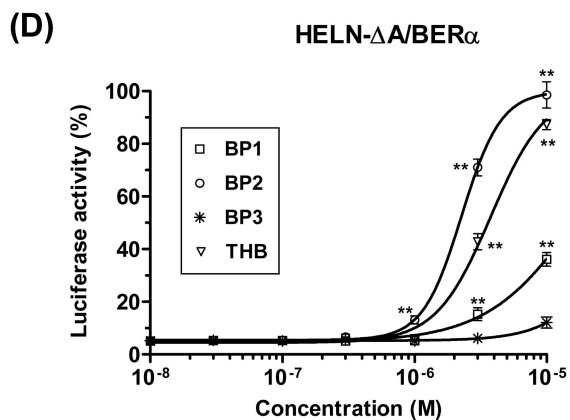
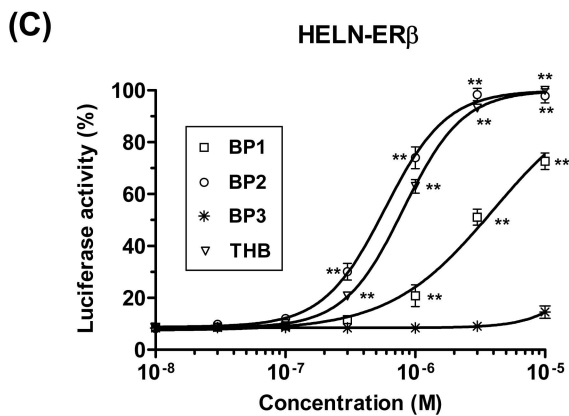
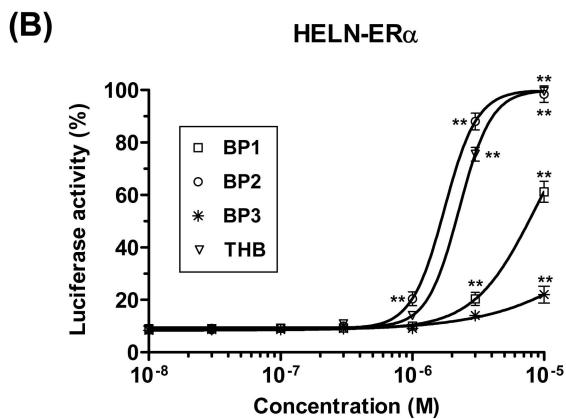
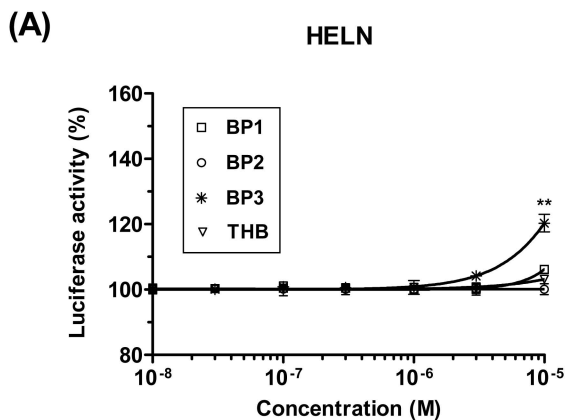
MELN



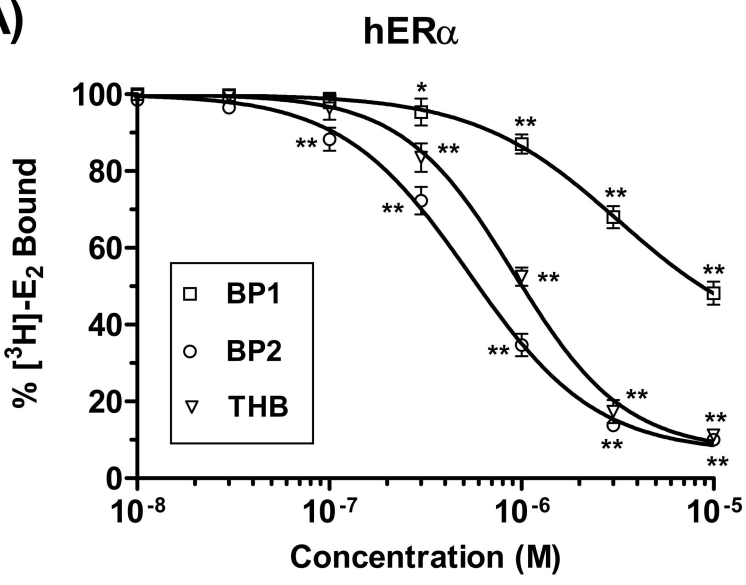
17 β -Estradiol



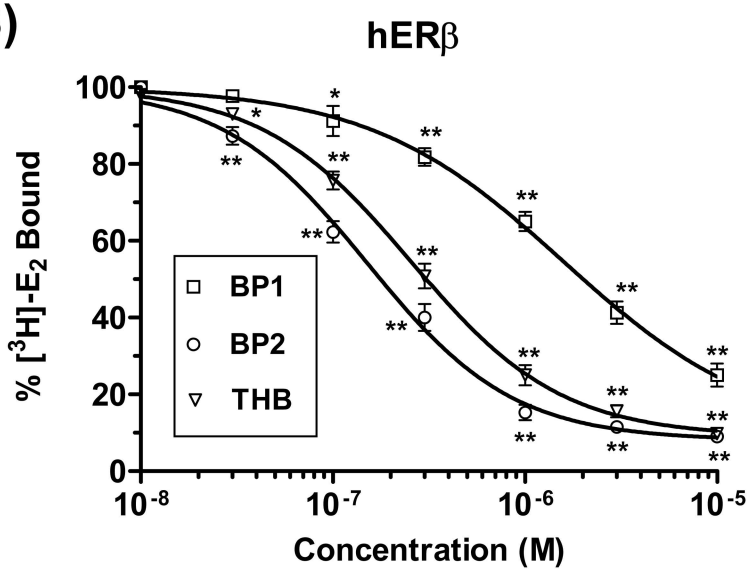
		EC ₅₀ (nM)
▽	hER α	0.019 $\pm$ 0.008
○	hER β	0.067 $\pm$ 0.007
◇	h Δ A/BER α	0.093 $\pm$ 0.018
△	h Δ A/BER β	0.58 $\pm$ 0.03
□	rtER α	0.19 $\pm$ 0.02



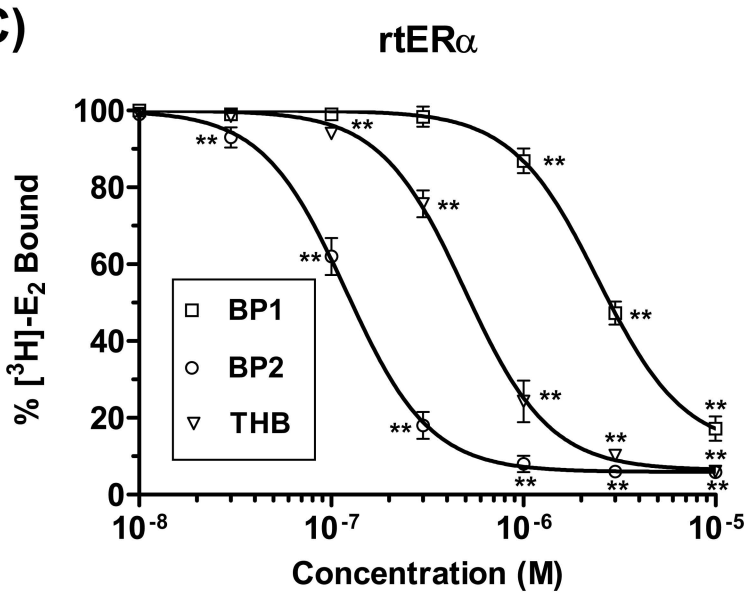
(A)

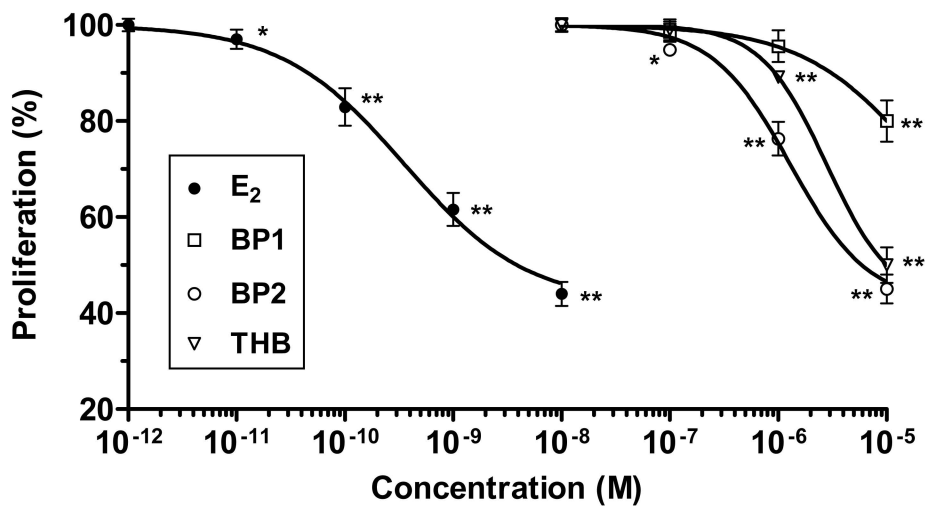
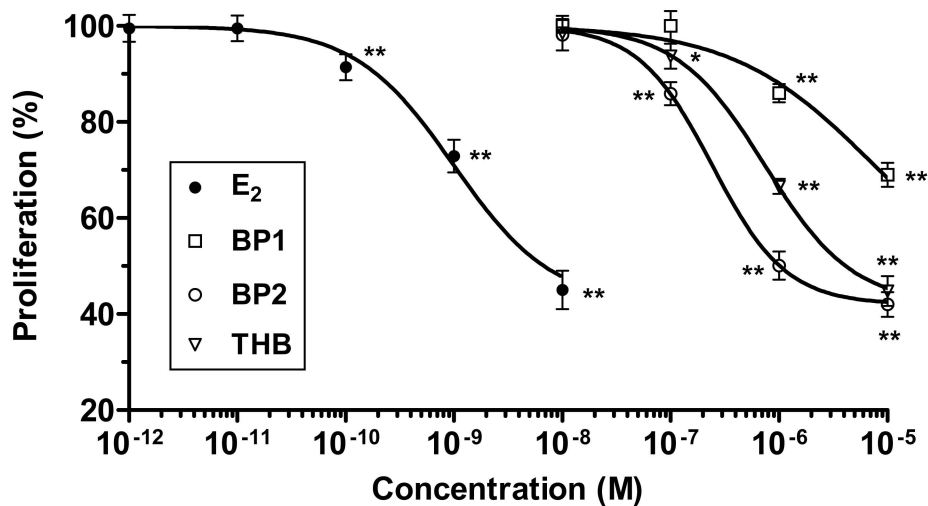


(B)

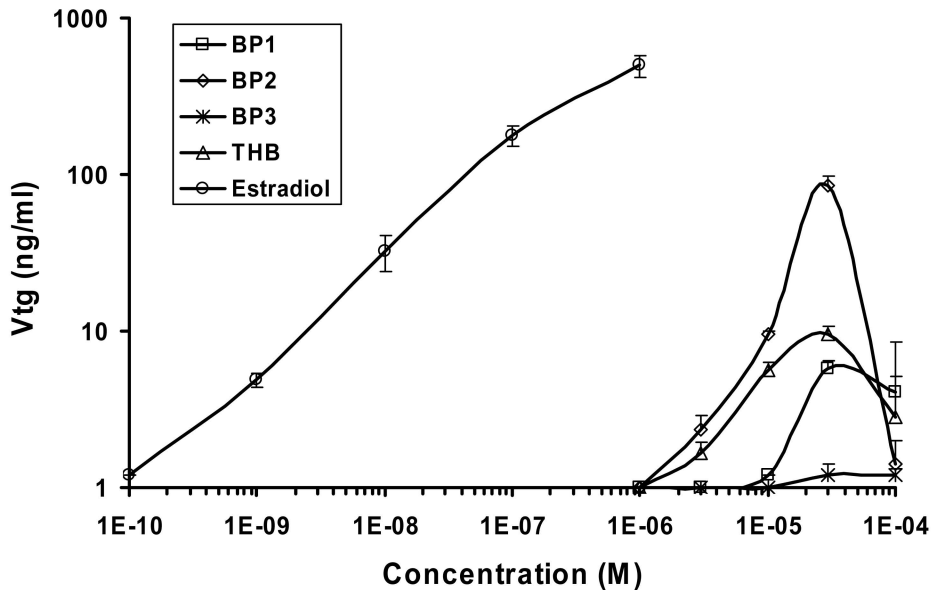


(C)



(A)**HELN-ER α** **(B)****HELN-ER β** 

Rainbow trout hepatocytes



PALM

