



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 Cavallès, Nicolás Olea, Sélim Aït-Aïssa, Patrick Balaguer

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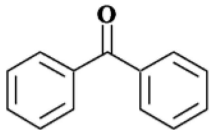
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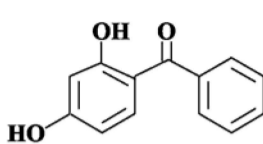
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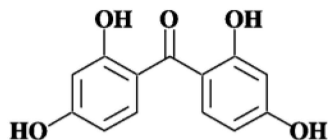
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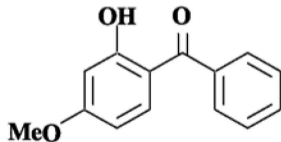
BP
(benzophenone)



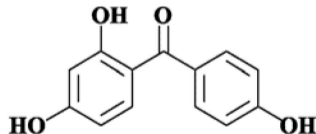
BP1
(2,4-dihydroxybenzophenone)



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

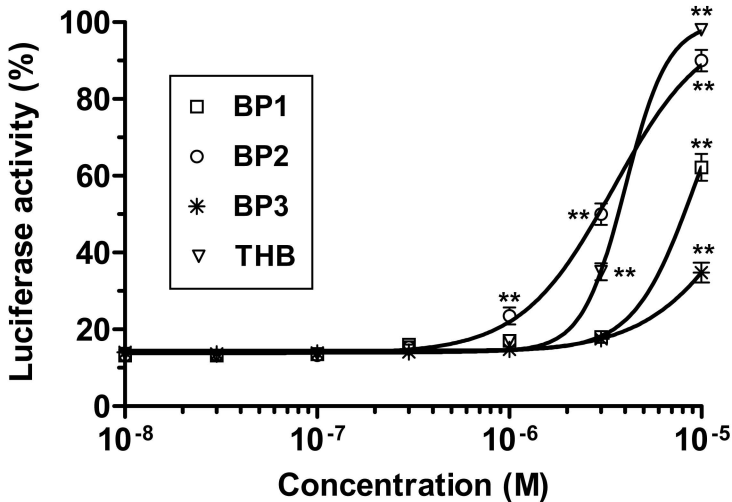


BP3
(2-hydroxy-4-methoxybenzophenone)

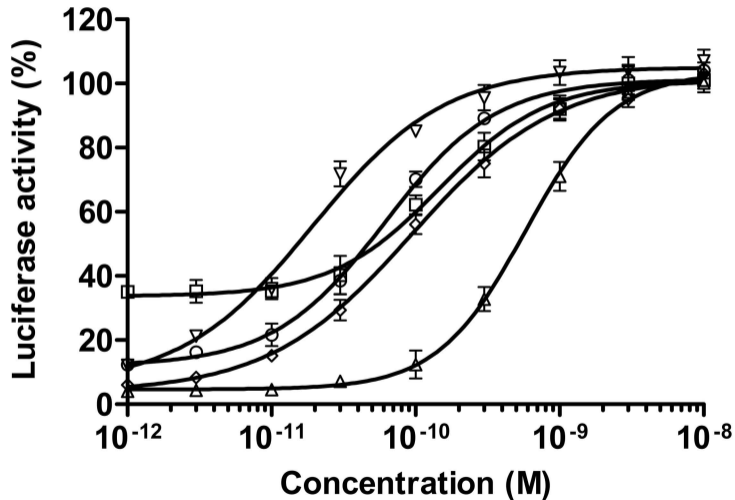


THB
(2,4,4'-trihydroxybenzophenone)

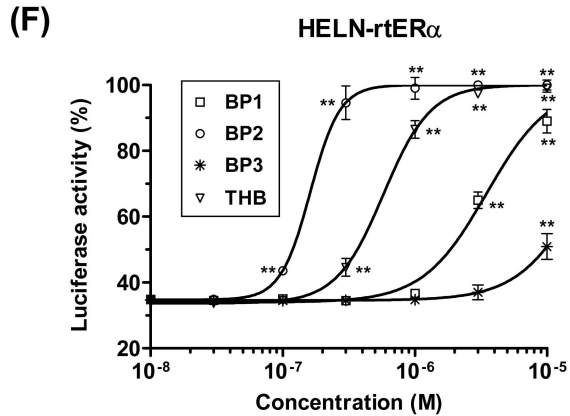
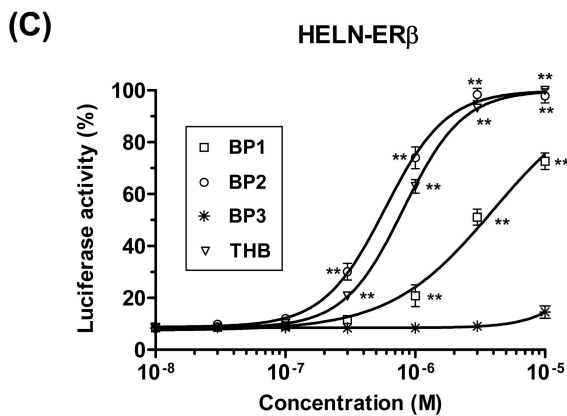
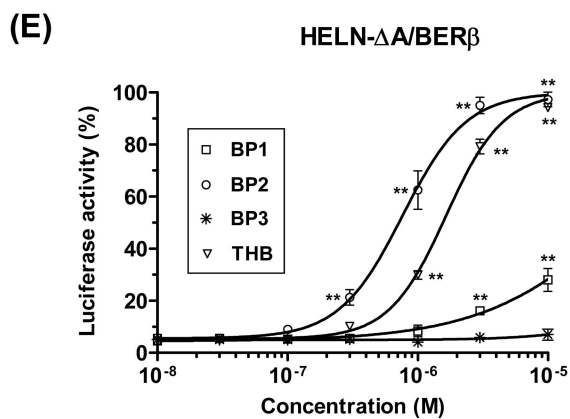
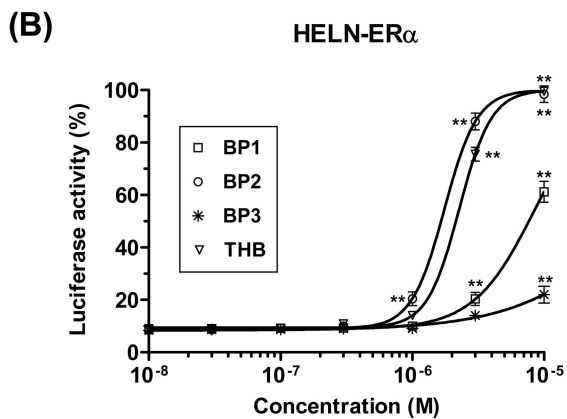
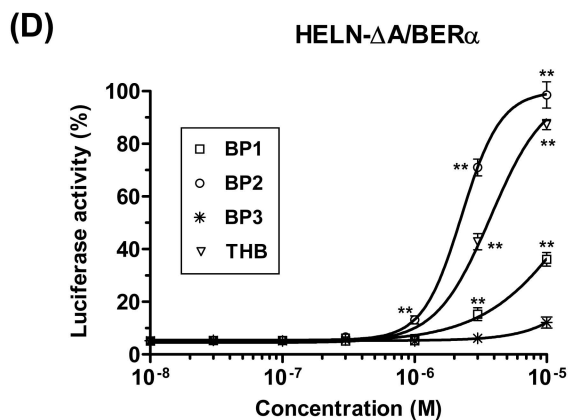
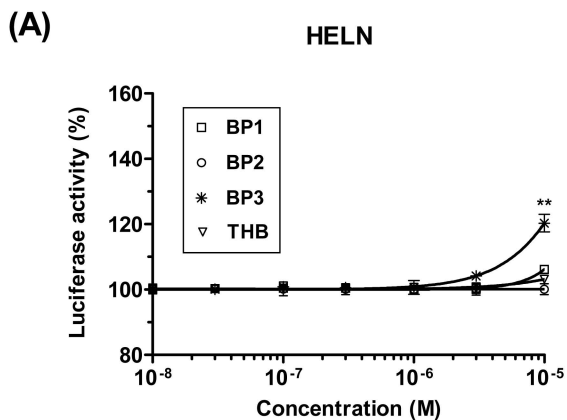
MELN

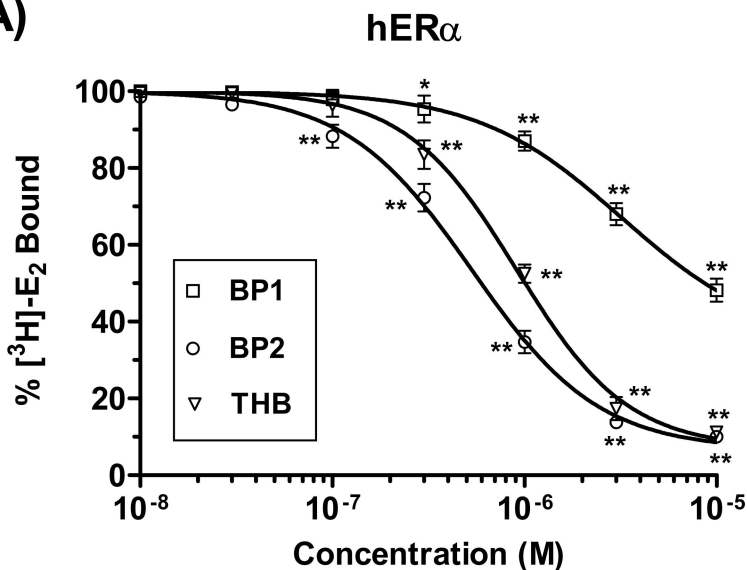
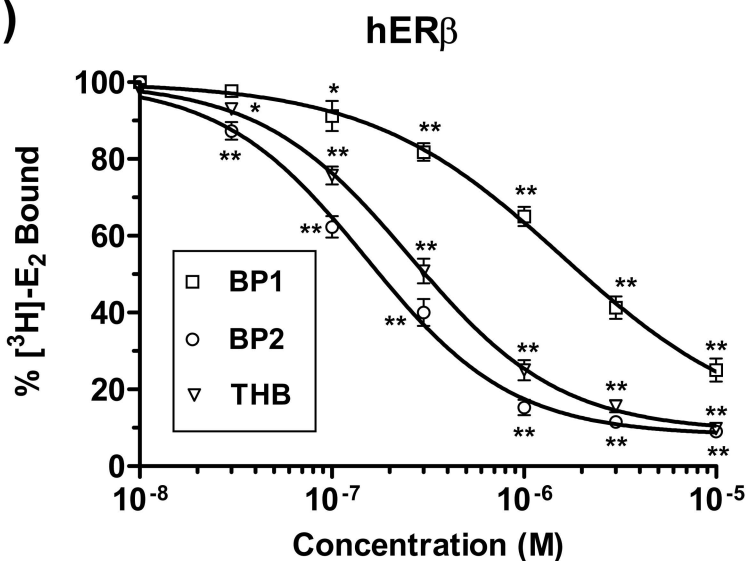
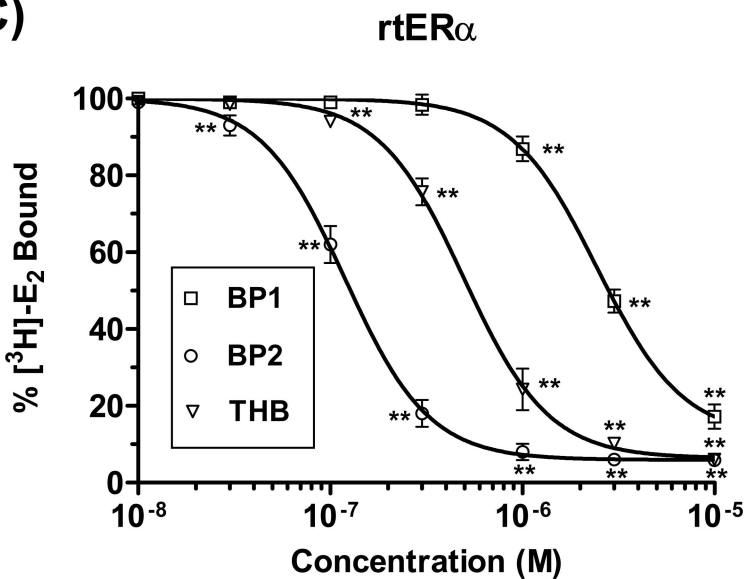


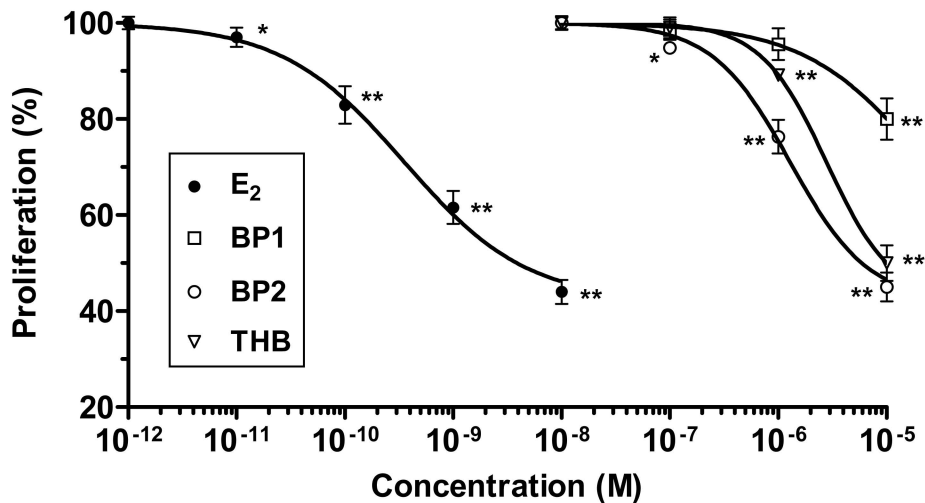
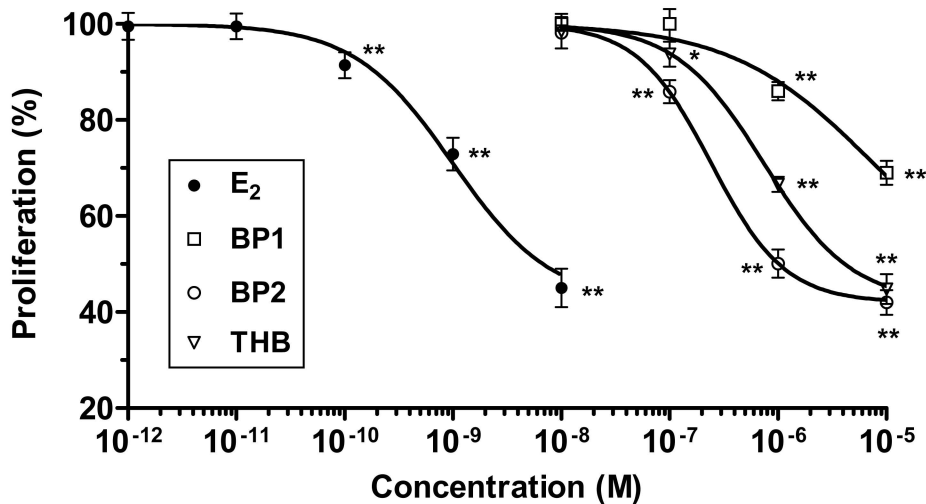
17 β -Estradiol



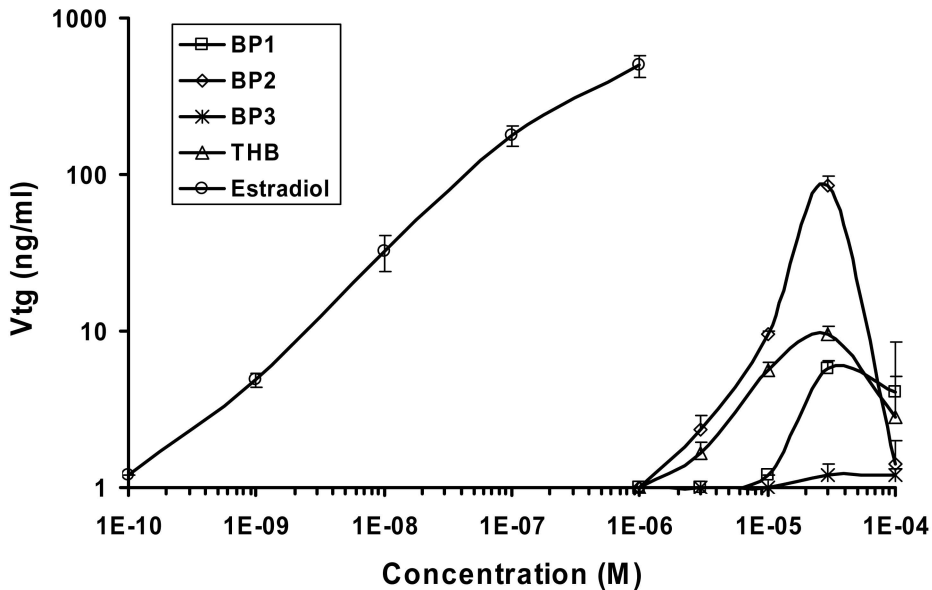
	EC ₅₀ (nM)
▽ hER α	0.019 \pm 0.008
○ hER β	0.067 \pm 0.007
◇ h Δ A/BER α	0.093 \pm 0.018
△ h Δ A/BER β	0.58 \pm 0.03
□ rtER α	0.19 \pm 0.02



(A)**(B)****(C)**

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

Rainbow trout hepatocytes



PALM

