

Sobetirome

CAS Registry No.: 211110-63-3

Formal Name: 2-(4-(4-hydroxy-3-isopropylbenzyl)-3,5-dimethylphenoxy)acetic acid

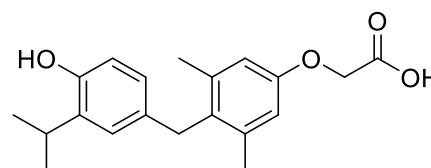
EUBOPEN ID: EUB0000585a

Molecular Formula: C₂₀H₂₄O₄

Molecular Weight: 328.41 g/mol

Smiles: CC1=CC(=CC(=C1CC2=CC(=C(C=C2)O)C(C)C)C)OCC(=O)O

Recommended concentration: 1 μM

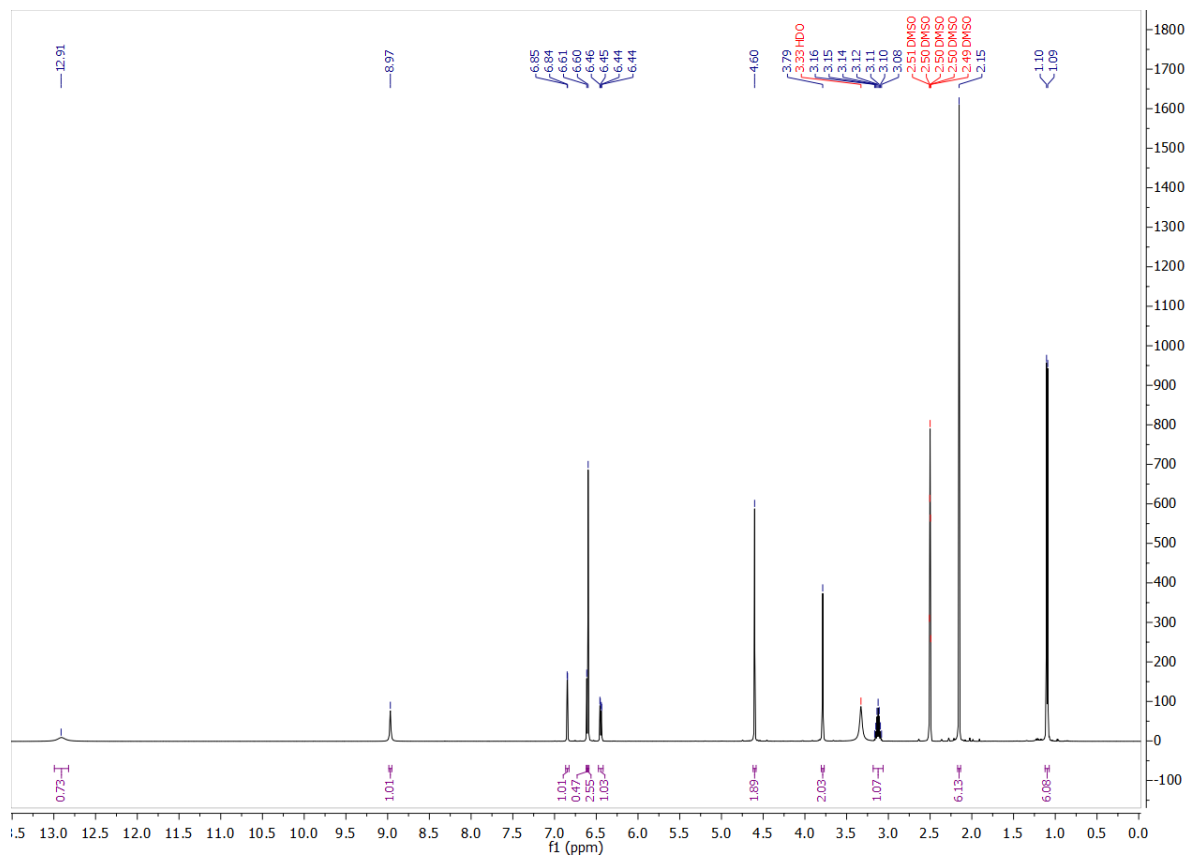


Biological activity

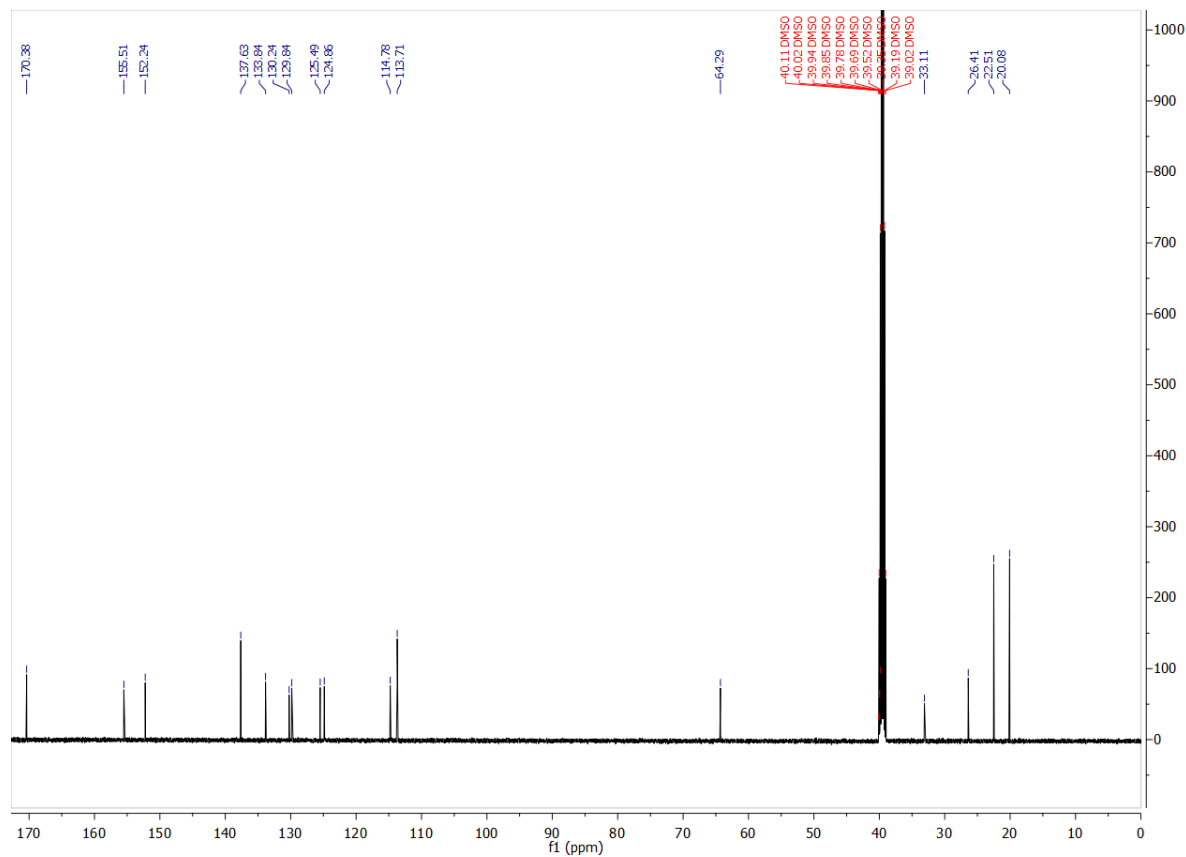
		Type	IC ₅₀ /EC ₅₀ [μM]	Reference
Main NR target:	NR1A1 (THRα)	Agonist	0.05	https://doi.org/10.1021/jm0201013
	NR1A2 (THRβ)	Agonist	0.007	
NR off-target:				

Identity

¹H NMR



¹³C NMR



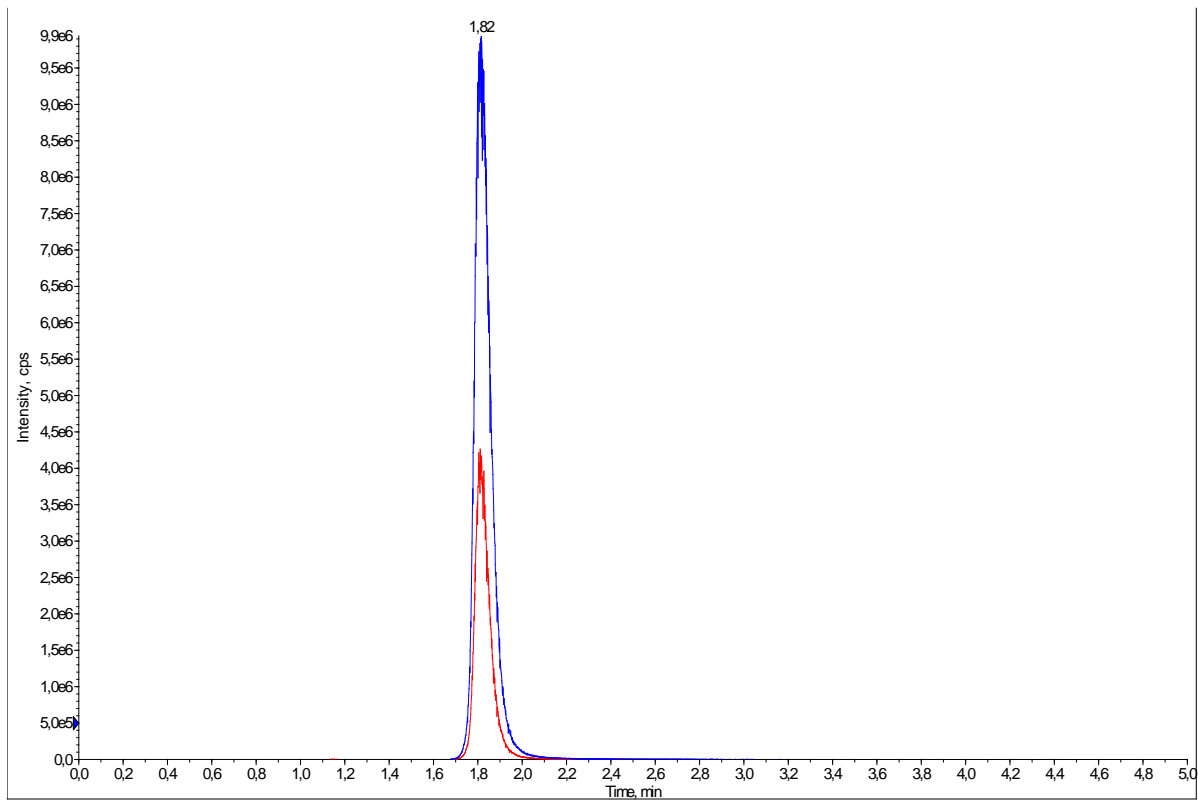
COMPOUND INFORMATION

Purity

M_r 328.41

MS: ESI-negative, m/z 327/269 (blue), m/z 327/135 (red)

LC: 0.1% HCOOH/ACN (40/60)



COMPOUND INFORMATION

LC-UV

LC: 0.1% HCOOH/ACN (40/60)

DAD: 210, 230 (XWC), 240, 254, 280 nm

