

Muraglitazar

CAS Registry No.: 331741-94-7

Formal Name: N-((4-methoxyphenoxy)carbonyl)-N-(4-(2-(5-methyl-2-phenyloxazol-4-yl)ethoxy)benzyl)glycine

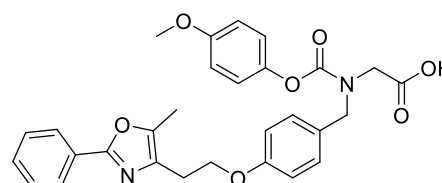
EUbOPEN ID: EUB0001140a

Molecular Formula: C₂₉H₂₈N₂O₇

Molecular Weight: 516.55 g/mol

Smiles:
CC1=C(N=C(O1)C2=CC=CC=C2)COC3=CC=C(C=C3)CN(CC(=O)O)C(=O)OC4=CC=C(C=C4)OC

Recommended concentration: 1 μM



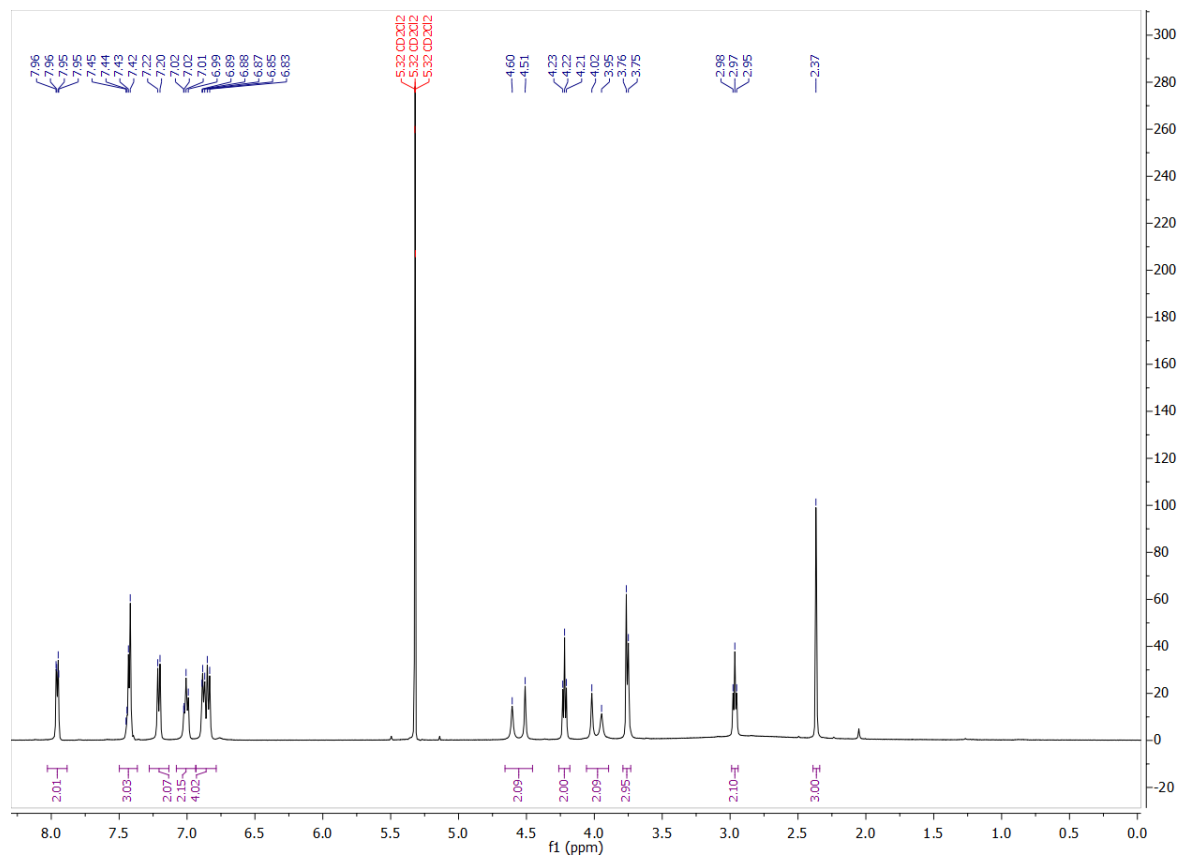
Biological activity

		Type	IC ₅₀ /EC ₅₀ [μM]	Reference
Main NR target:	NR1C1 (PPARα)	Agonist	0.05	inhouse
	NR1C3 (PPARγ)	Agonist	0.016	
NR off-target:	NR1C2 (PPARδ)	Agonist	7-fold act.	inhouse

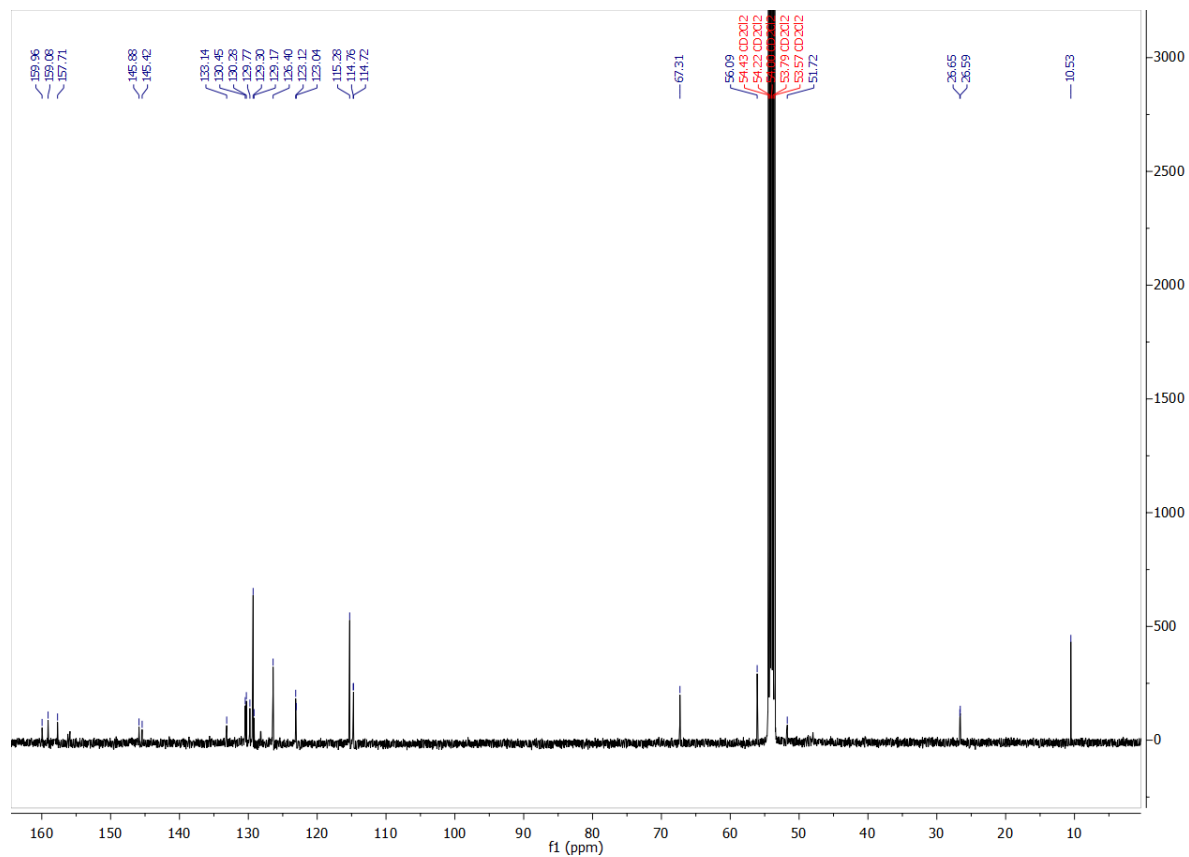
COMPOUND INFORMATION

Identity

¹H NMR



¹³C NMR



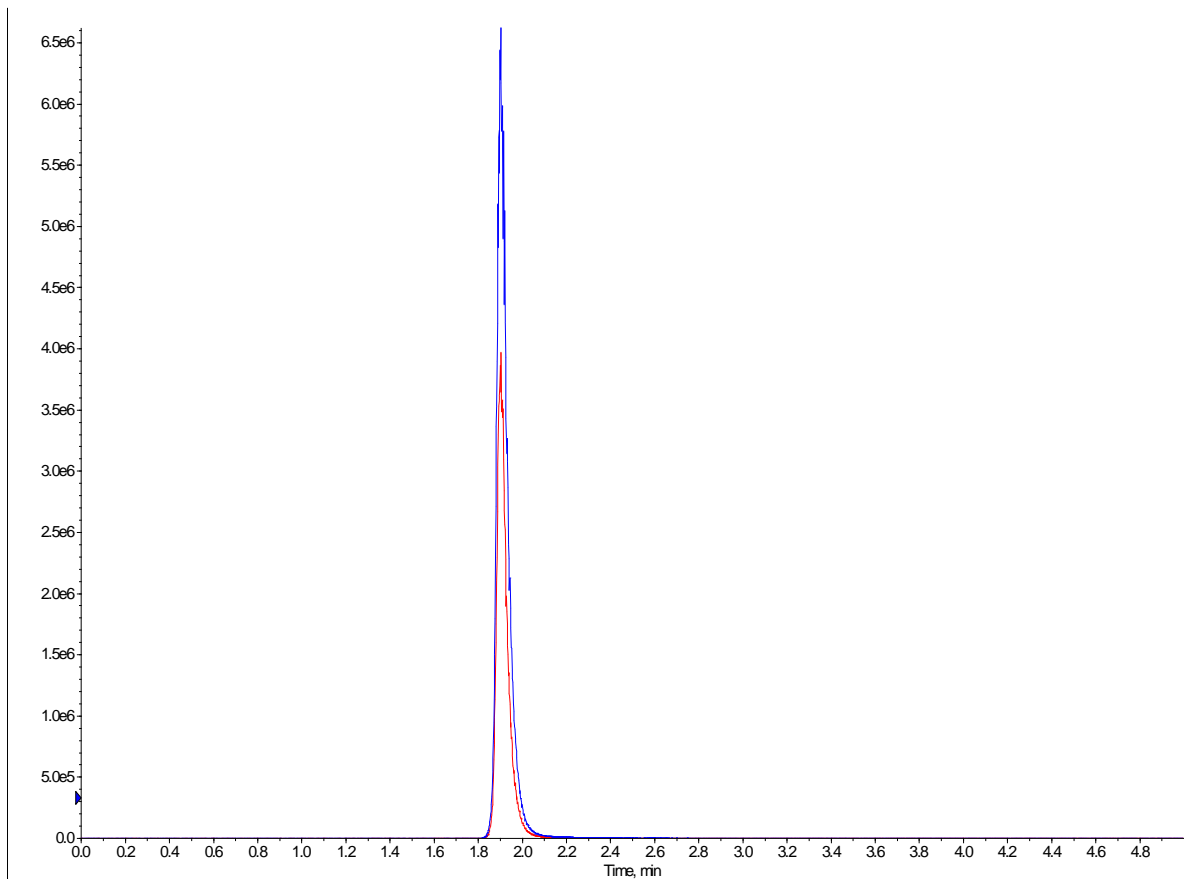
COMPOUND INFORMATION

Purity

M_r 516.55

MS: ESI-positive, m/z 517/186 (blue), m/z 517/292 (red)

LC: 0.1% HCOOH/ACN (20/80)

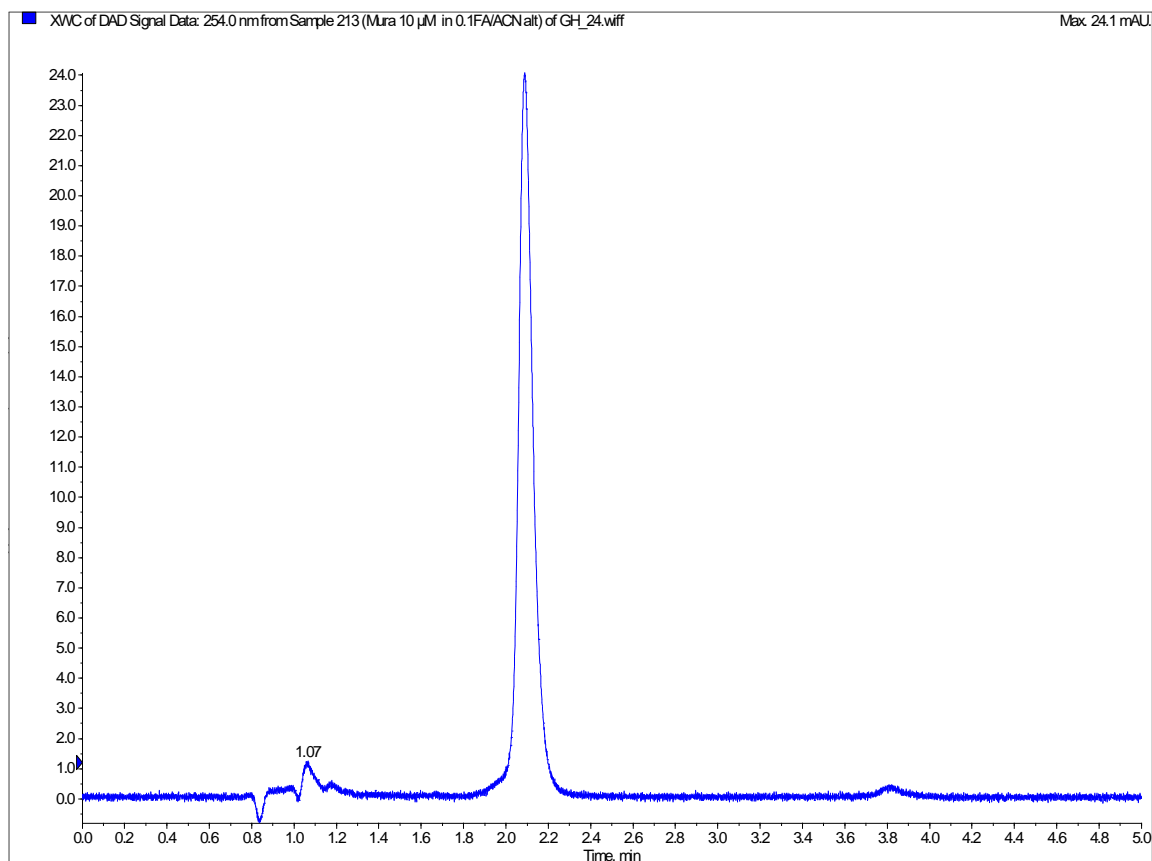
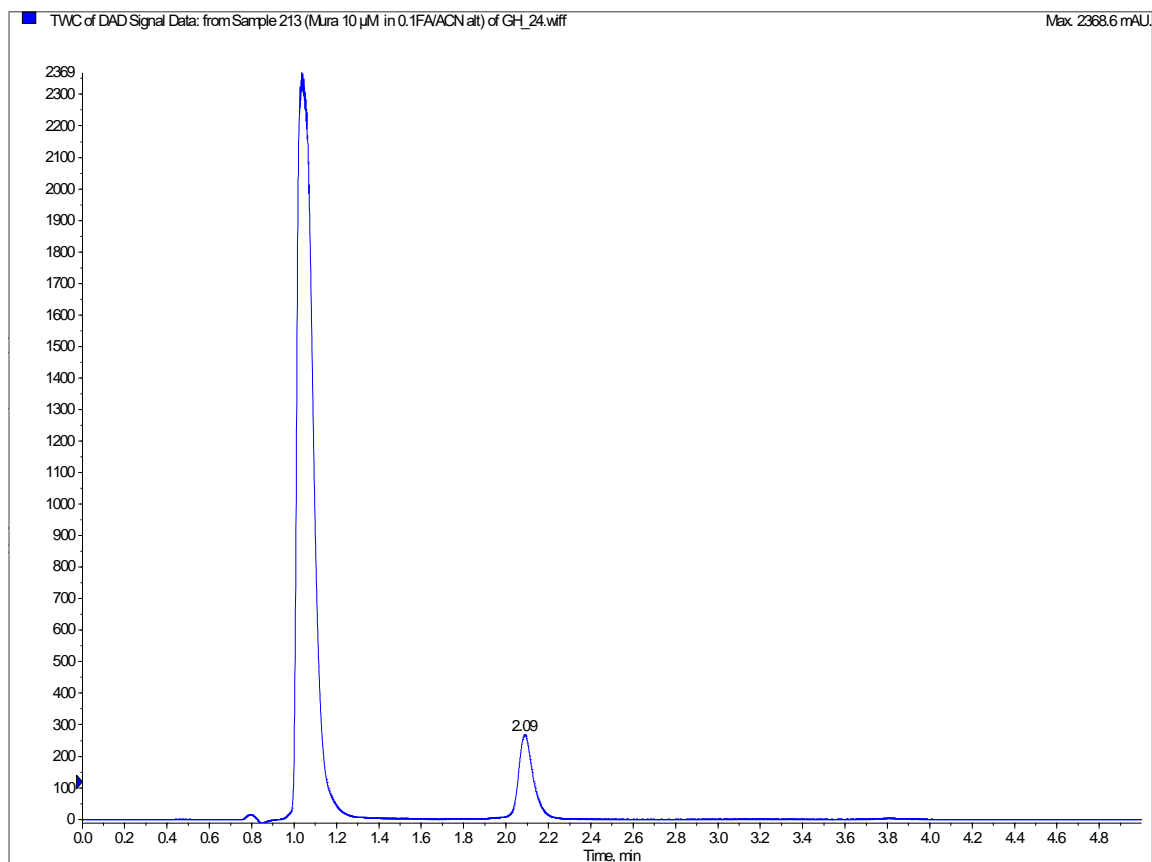


COMPOUND INFORMATION

LC-UV

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

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



Biological activity

