

## Tiratricol

**CAS Registry No.:** 51-24-1

**Formal Name:** 2-(4-(4-hydroxy-3-iodophenoxy)-3,5-diiodophenyl)acetic acid

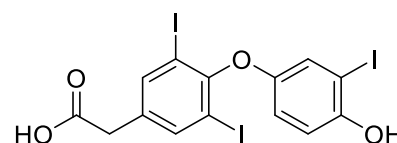
**EUBOPEN ID:** EUB0001139a

**Molecular Formula:** C<sub>14</sub>H<sub>9</sub>I<sub>3</sub>O<sub>4</sub>

**Molecular Weight:** 621,94 g/mol

**Smiles:** C1=CC(=C(C=C1OC2=C(C=C(C=C2)I)CC(=O)O)I)O

**Recommended concentration:** 1 μM



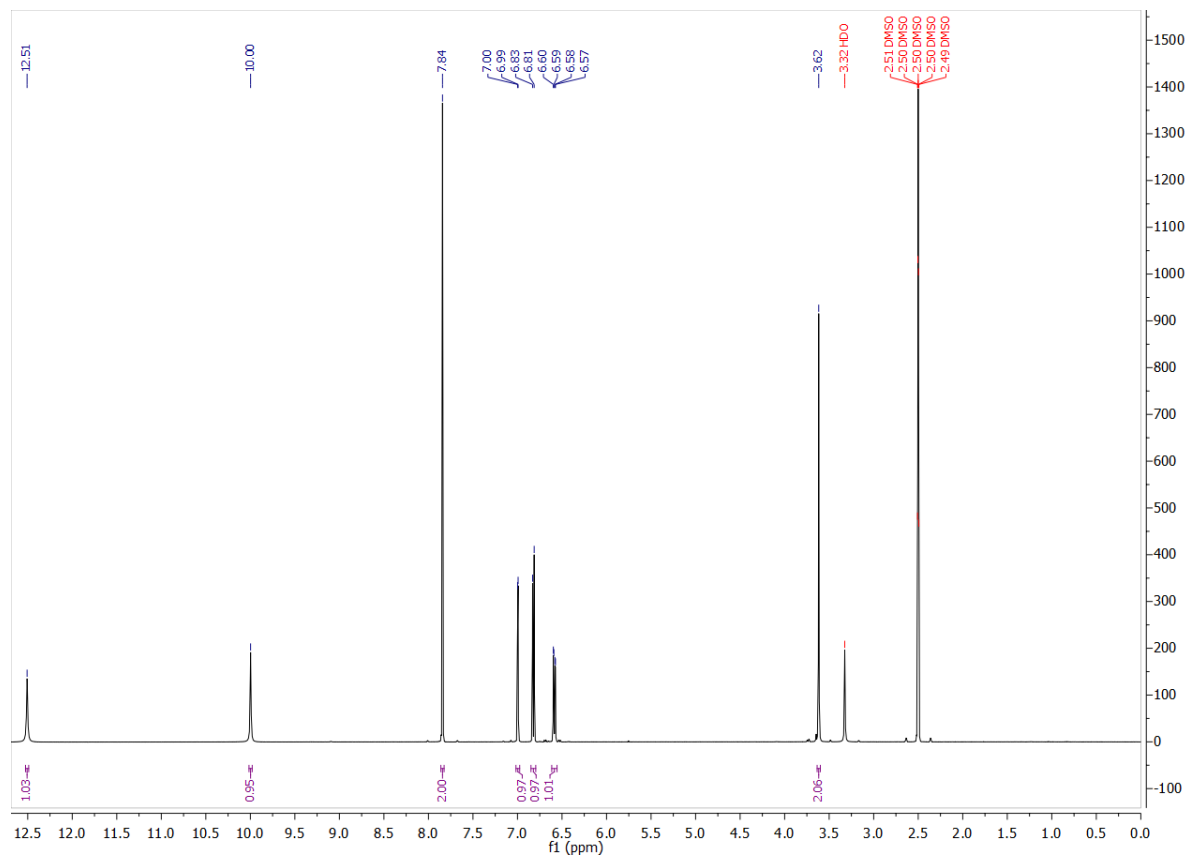
### Biological activity

		Type	IC <sub>50</sub> /EC <sub>50</sub> [μM]	Reference
Main NR target:	NR1A1 (THRα)	Antagonist	0.002	<a href="https://doi.org/10.1002/jat.2825">https://doi.org/10.1002/jat.2825</a>
	NR1A2 (THRβ)	Antagonist	0.004	
NR off-target:				

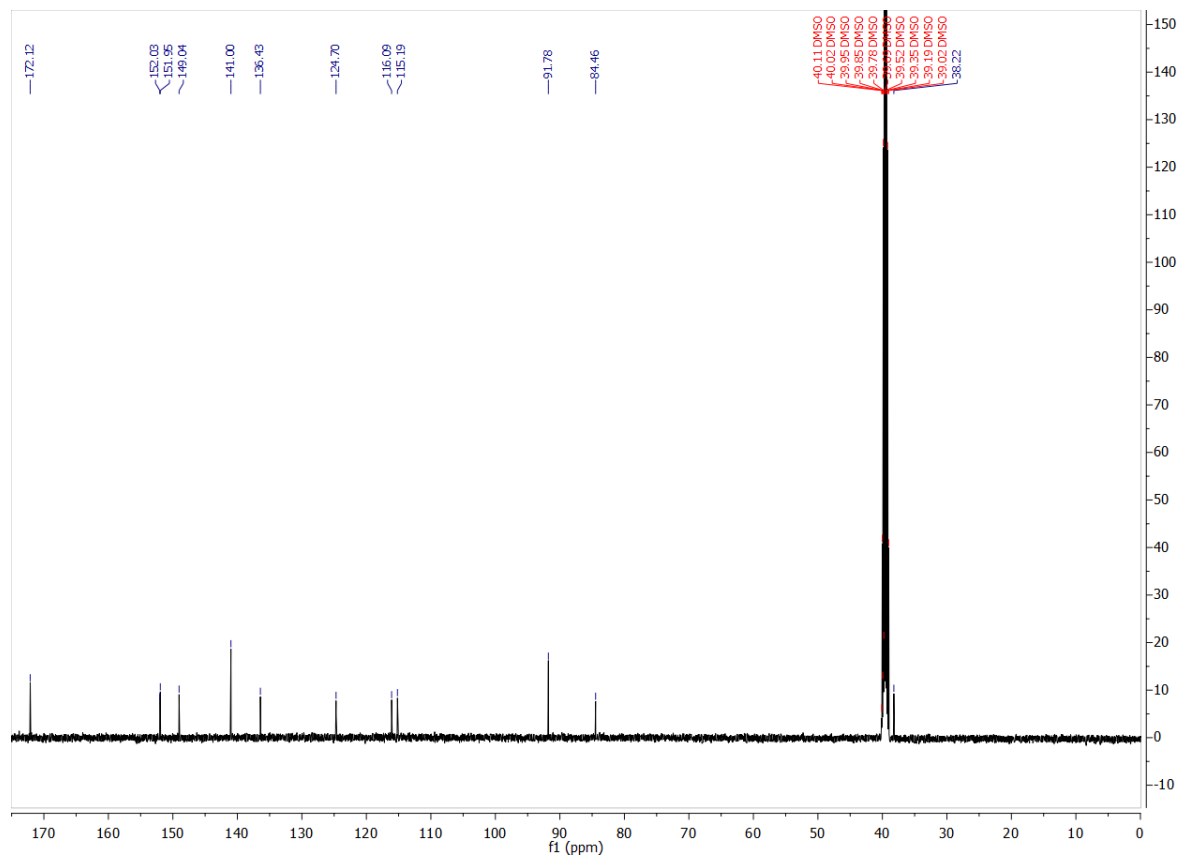
# COMPOUND INFORMATION

## Identity

### <sup>1</sup>H NMR



### <sup>13</sup>C NMR



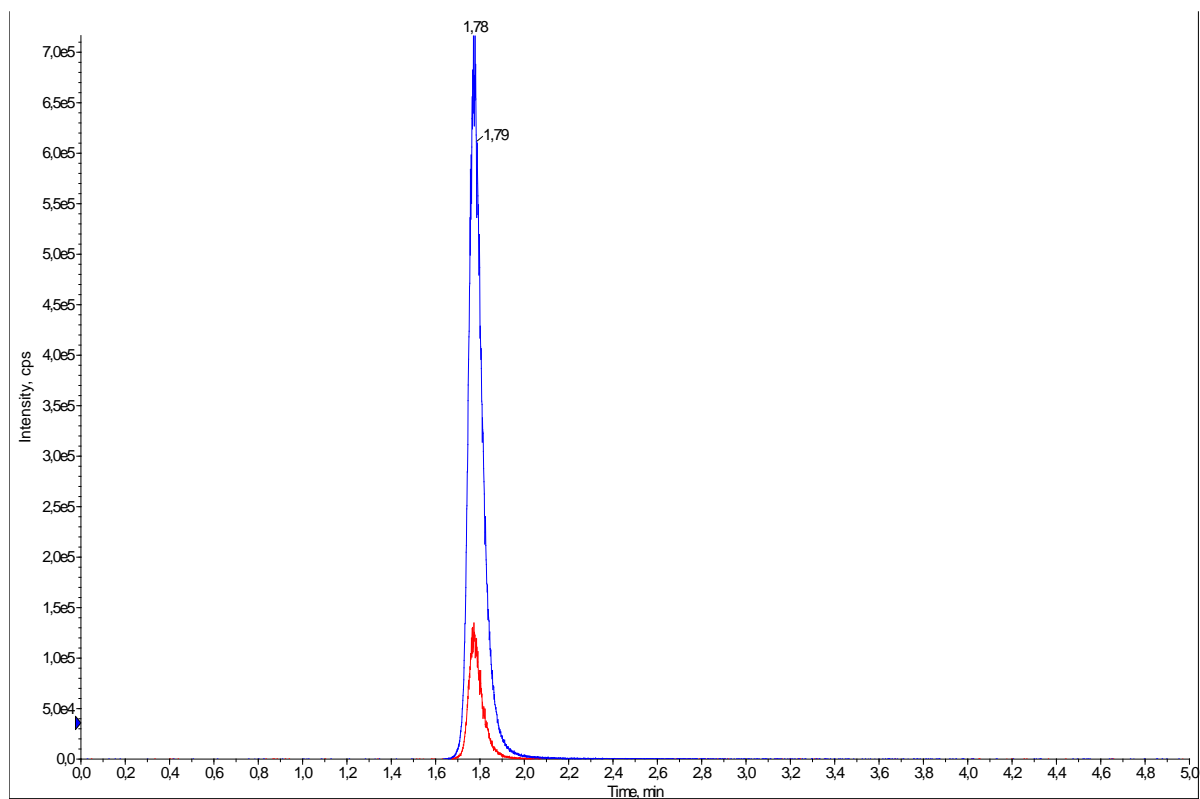
# COMPOUND INFORMATION

## Purity

$M_r$  621.94

MS: ESI-negative,  $m/z$  621/127 (red),  $m/z$  577/127 (blue, see R.M.S. Jongejan et al., Clin. Chem. 556-566, 66, 2020)

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



# COMPOUND INFORMATION

## LC-UV

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

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

