

## RGX-104 (hydrochloride)

**CAS Registry No.:** 610318-03-1

**Formal Name:** 2-(3-(3-((2-chloro-3-(trifluoromethyl)benzyl)(2,2-diphenylethyl)amino)butoxy)phenyl)acetic acid hydrochloride

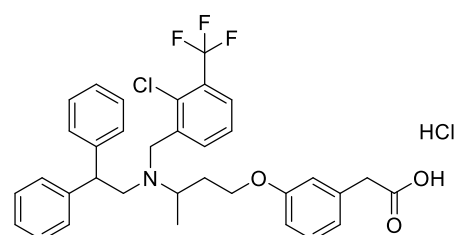
**EUBOPEN ID:** EUB0001482aCl

**Molecular Formula:** C<sub>34</sub>H<sub>34</sub>Cl<sub>2</sub>F<sub>3</sub>NO<sub>3</sub>

**Molecular Weight:** 632.55 g/mol

**Smiles:**  
CC(N(CC(C1=CC=CC=C1)C2=CC=CC=C2)CC3=C(Cl)C(C(F)(F)F)=CC=C3)CCOC4=CC=CC(CC(O)=O)=C4.Cl

**Recommended concentration:** 10 μM



### Biological activity

		Type	IC <sub>50</sub> /EC <sub>50</sub> [μM]	Reference
Main NR target:	NR1H3 (LXRα)	Agonist	3.3	inhouse
	NR1H2 (LXRβ)	Agonist	2.9	inhouse
NR off-target:				



# COMPOUND INFORMATION

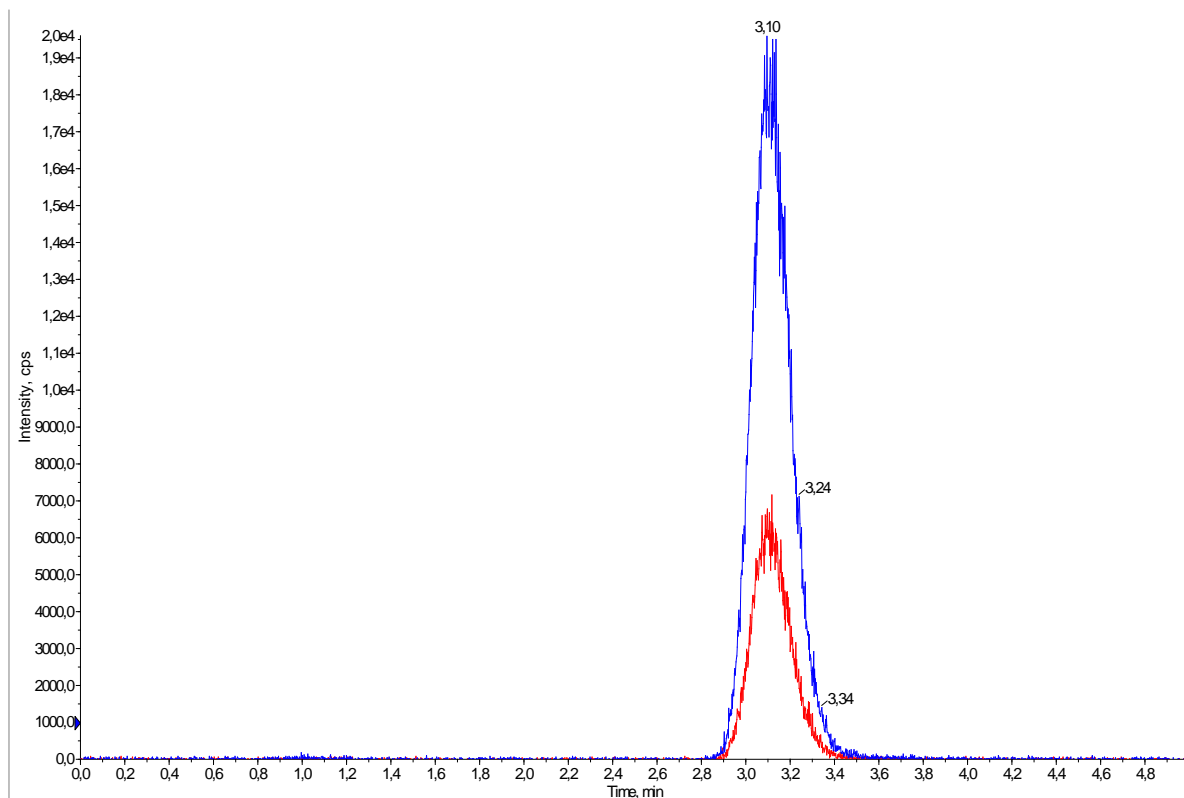
## Purity

LC-MS

$M_r$  596.08

MS: ESI-negative, m/z 594/179 (blue), m/z 594/141 (red)

LC: 0.1% HCOOH/ACN (30/70)

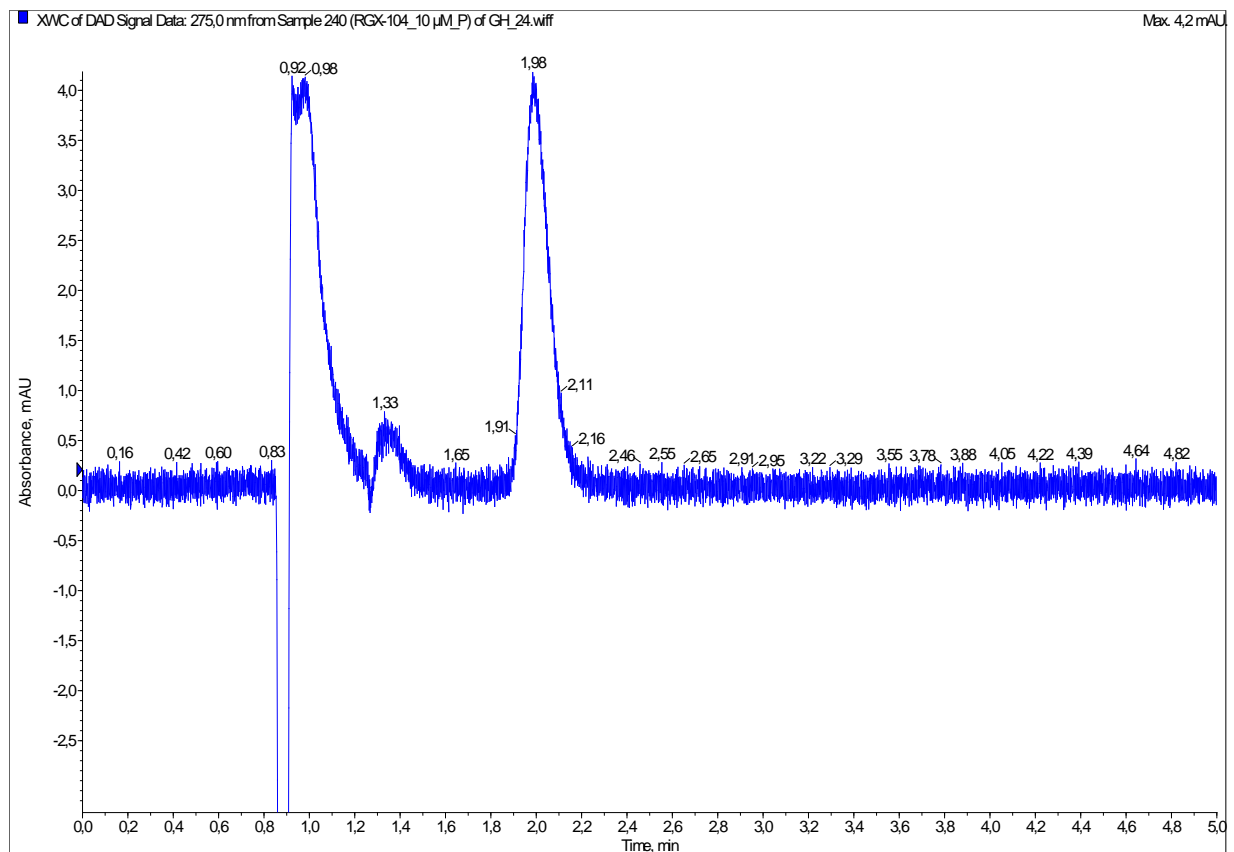
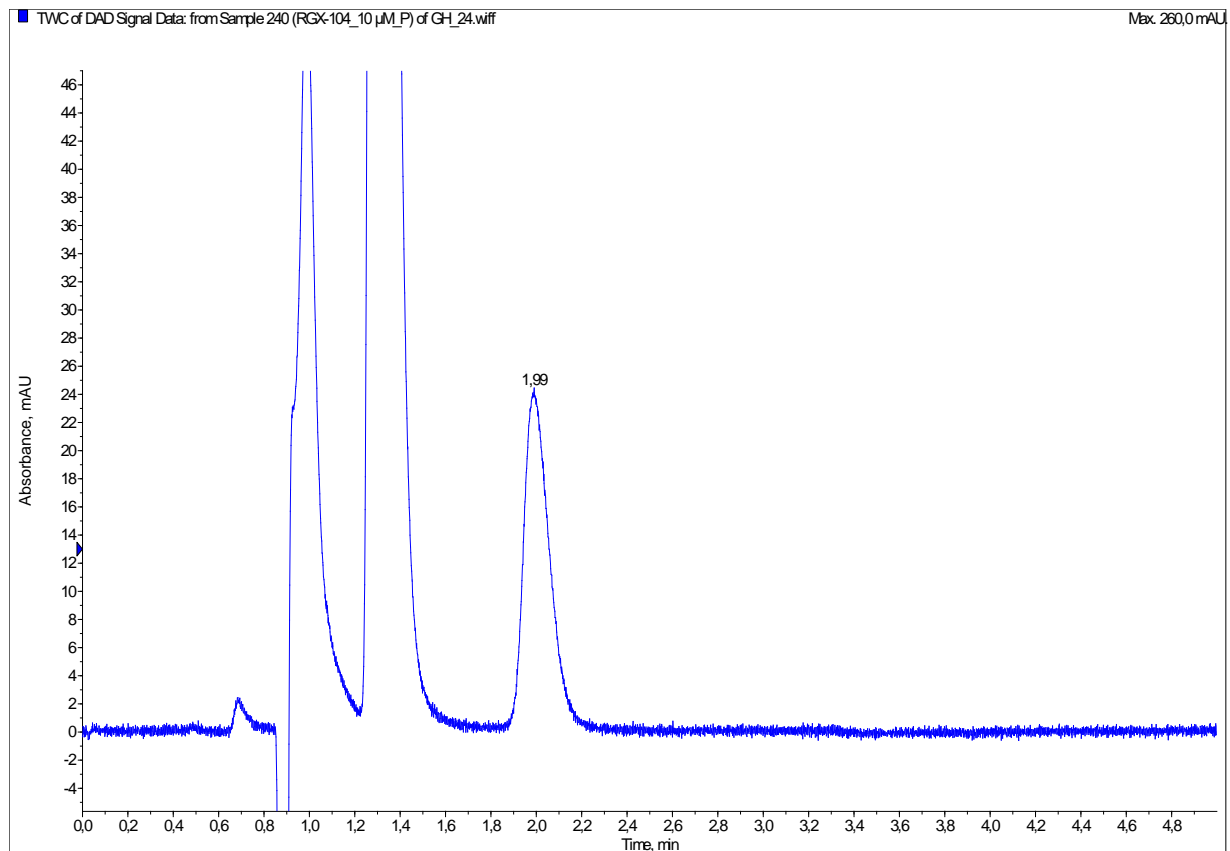


# COMPOUND INFORMATION

## LC-UV

LC: 0.1% HCOOH/ACN (15/85)

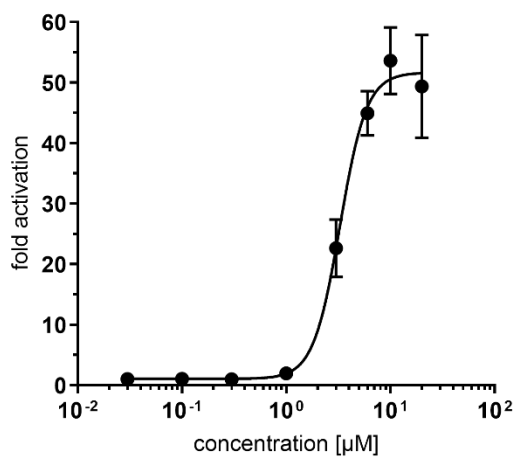
DAD: 230, 254, 275 (XWC), 290, 300 nm



# COMPOUND INFORMATION

## Biological activity

**RGX-104**  
**LXR $\alpha$  - EC<sub>50</sub> 3.3  $\pm$  0.3  $\mu$ M**  
**52  $\pm$  3 fold activation**



**RGX-104**  
**LXR $\beta$  - EC<sub>50</sub> 2.9  $\pm$  0.6  $\mu$ M**  
**26  $\pm$  3 fold activation**

