

NRX-204647

## Chemical Properties

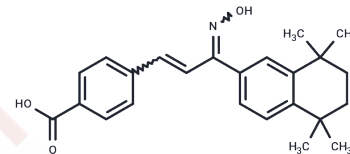
CAS No. : 1351452-80-6

Formula: C<sub>24</sub>H<sub>27</sub>NO<sub>3</sub>

Molecular Weight: 377.48

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	NRX-204647 is a highly potent retinoic acid nuclear receptor (RAR) agonist with higher specificity over other RAR subtypes. This compound can effectively inhibit the process of bone formation and significantly reduce the bone volume/tissue volume (BV/TV) ratio, and is currently available as a research tool for anticancer-related scientific research fields.
Targets(IC50)	RAR/RXR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6491 mL	13.2457 mL	26.4915 mL
5 mM	0.5298 mL	2.6491 mL	5.2983 mL
10 mM	0.2649 mL	1.3246 mL	2.6491 mL
50 mM	0.053 mL	0.2649 mL	0.5298 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Uchibe, K. , et al. , (2017). Genetic and pharmacological inhibition of retinoic acid receptor  $\gamma$  function promotes endochondral bone formation. Journal of orthopaedic research : official publication of the Orthopaedic Research Society, 35(5)

Garcia, S. A., et al., (2020). Understanding the Action of RAR $\gamma$  Agonists on Human Osteochondroma Explants. International journal of molecular sciences, 21(8), 2686.

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