

HOR1-C59

## Chemical Properties

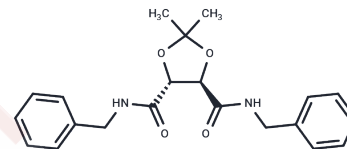
CAS No. : 189574-20-7

Formula: C<sub>21</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight: 368.43

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	HOR1-C59 is a highly selective and potent Or5v1/Olfr110 agonist with an EC <sub>50</sub> of 7.12 nM; it is a non-natural synthetic small molecule. HOR1-C59 improves glucose homeostasis and alleviates obesity and insulin resistance. HOR1-C59 can be used in research on obesity and metabolic diseases.
Targets(IC50)	Others
In vivo	Intraperitoneal injection of HOR1-C59 (50 ng/g, administered daily) for 8 weeks improved glucose metabolism and alleviated obesity symptoms in wild-type mice fed a high-fat diet (HFD), but this effect was not observed in Olfr110 knockout mice.[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7142 mL	13.5711 mL	27.1422 mL
5 mM	0.5428 mL	2.7142 mL	5.4284 mL
10 mM	0.2714 mL	1.3571 mL	2.7142 mL
50 mM	0.0543 mL	0.2714 mL	0.5428 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

Ge XY, et al. Identification of Or5v1/Olfr110 as an oxylipin receptor and anti-obesity target. Cell. 2026;189(5):1481-1498.e22.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481