

(R)-YNT-3708

Chemical Properties

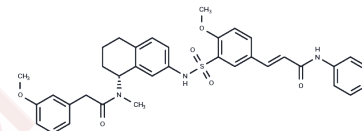
CAS No. : 2923137-94-2

Formula: C₃₅H₃₆N₄O₆S

Molecular Weight: 640.75

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	(R)-YNT-3708 is a specific Orexin 1 receptor (OX1R) agonist with an EC ₅₀ value of 7.48 nM for OX1R. The EC ₅₀ ratio of OX2R to OX1R is 22.5. This compound demonstrates analgesic and enhancing effects by activating OX1R in mice.
Targets(IC ₅₀)	OX Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5607 mL	7.8034 mL	15.6067 mL
5 mM	0.3121 mL	1.5607 mL	3.1213 mL
10 mM	0.1561 mL	0.7803 mL	1.5607 mL
50 mM	0.0312 mL	0.1561 mL	0.3121 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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