

GHSR-1a agonist-1

Chemical Properties

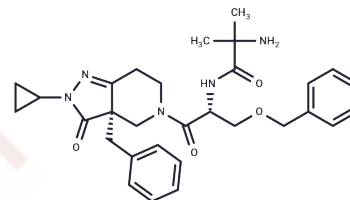
CAS No. : 3060887-25-1

Formula: C30H37N5O4

Molecular Weight: 531.646

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	GHSR-1a agonist-1 (Compound 4b) is an orally active agonist of the human growth hormone secretagogue receptor 1a (GHSR-1a) with an EC ₅₀ of 0.49 nM. It effectively stimulates the release of endogenous growth hormone by activating GHSR-1a. Doses as low as 0.1 mg/kg (administered orally) can increase body weight and length in 4-week-old rats. GHSR-1a agonist-1 is applicable in research on pediatric growth and developmental delays.
Targets(IC50)	GHSR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8809 mL	9.4047 mL	18.8094 mL
5 mM	0.3762 mL	1.8809 mL	3.7619 mL
10 mM	0.1881 mL	0.9405 mL	1.8809 mL
50 mM	0.0376 mL	0.1881 mL	0.3762 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481