

Org 274179-0

Chemical Properties

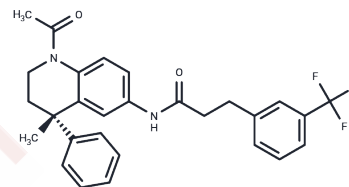
CAS No. : 1421683-12-6

Formula: C₂₈H₂₇F₃N₂O₂

Molecular Weight: 480.521

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	Org 274179-0 is an effective allosteric antagonist of the thyroid-stimulating hormone (TSH) receptor, with an IC ₅₀ in the nanomolar range. It fully inhibits TSH (and TSI)-mediated activation of the TSH receptor with minimal impact on the efficacy of TSH. This compound can be utilized in studies of Graves' disease (GD).
Targets(IC ₅₀)	TSH Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0811 mL	10.4054 mL	20.8108 mL
5 mM	0.4162 mL	2.0811 mL	4.1622 mL
10 mM	0.2081 mL	1.0405 mL	2.0811 mL
50 mM	0.0416 mL	0.2081 mL	0.4162 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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