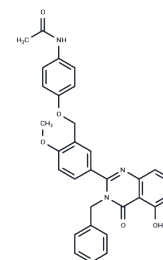


NCATS-SM4420

Chemical Properties

CAS No. : 1352286-61-3
 Formula: C₃₁H₂₇N₃O₅
 Molecular Weight: 521.56
 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	NCATS-SM4420 (Compound A35) is an orally effective ligand for the thyroid-stimulating hormone receptor (TSHR) that inhibits the proliferation of MDA-T32 and MDA-T85 cells both in vitro and in vivo, with IC ₅₀ values of 0.71 μM and 0.38 μM, respectively. Additionally, it suppresses the metastasis of MDA-T85F1 in mice. NCATS-SM4420 holds potential for research in the field of thyroid cancer.
Targets(IC ₅₀)	TSH Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9173 mL	9.5866 mL	19.1732 mL
5 mM	0.3835 mL	1.9173 mL	3.8346 mL
10 mM	0.1917 mL	0.9587 mL	1.9173 mL
50 mM	0.0383 mL	0.1917 mL	0.3835 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

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