

ST-CY14

Chemical Properties

CAS No. :

Formula: C139H237N57O31S2

Molecular Weight: 3266.86

Keep away from moisture

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	ST-CY14 is an inhibitor of the Nur77-PPAR γ interaction with an EC ₅₀ of 3.15 μ M. It binds to Nur77 (K _d =32 nM) to prevent its ubiquitination and degradation by PPAR γ , reducing fatty acid uptake and mitochondrial respiration, and inhibiting the transcription of CD36 and FABP4. ST-CY14 suppresses proliferation and migration of MCF7 and MDA-MB-231 cancer cells and impedes tumor growth and bone metastasis in mouse models.
Targets(IC50)	Mitochondrial Metabolism, NR4A

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3061 mL	1.5305 mL	3.061 mL
5 mM	0.0612 mL	0.3061 mL	0.6122 mL
10 mM	0.0306 mL	0.1531 mL	0.3061 mL
50 mM	0.0061 mL	0.0306 mL	0.0612 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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