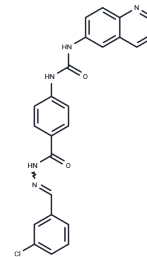


Nur77 agonist-1

Chemical Properties

CAS No. :	2899254-71-6
Formula:	C ₂₄ H ₁₈ ClN ₅ O ₂
Molecular Weight:	443.885
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	Nur77 agonist-1 (Compound 8f) is an orally active Nur77 agonist. It induces ferroptosis by upregulating Nur77 protein expression, increasing reactive oxygen species (ROS) and lipid peroxidation levels, while decreasing GPX4 protein expression. Nur77 agonist-1 binds with affinity to the ligand binding domain of Nur77, with a KD of 13.80 μM. It demonstrates significant antiproliferative activity against various breast cancer cells (IC ₅₀ : 2.15-3.26 μM) and exhibits low cytotoxicity towards normal cells. This compound is useful for breast cancer research.
Targets(IC ₅₀)	Ferroptosis, Reactive Oxygen Species, Glutathione Peroxidase, NR4A

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2528 mL	11.2641 mL	22.5281 mL
5 mM	0.4506 mL	2.2528 mL	4.5056 mL
10 mM	0.2253 mL	1.1264 mL	2.2528 mL
50 mM	0.0451 mL	0.2253 mL	0.4506 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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