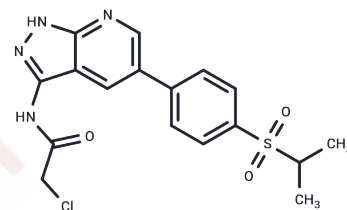


CALR ligand 1

Chemical Properties

CAS No. :	3055854-78-6
Formula:	C ₁₇ H ₁₇ ClN ₄ O ₃ S
Molecular Weight:	392.86
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	CALR ligand 1 (Compound 2a) is a calreticulin (CALR) ligand with anti-tumor activity against triple-negative breast cancer (TNBC) cells, exhibiting an IC ₅₀ of 0.1 μM. It induces intracellular calcium overload, leading to apoptosis in TNBC cells, making it a promising candidate for further research on triple-negative breast cancer.
Targets(IC ₅₀)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5454 mL	12.7272 mL	25.4544 mL
5 mM	0.5091 mL	2.5454 mL	5.0909 mL
10 mM	0.2545 mL	1.2727 mL	2.5454 mL
50 mM	0.0509 mL	0.2545 mL	0.5091 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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