

TR-107

Chemical Properties

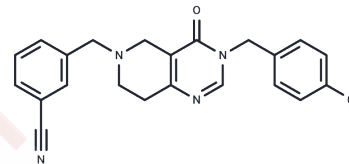
CAS No. : 2485052-87-5

Formula: C₂₂H₁₉ClN₄O

Molecular Weight: 390.87

Storage: Keep away from moisture, Store at low temperature
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	TR-107 (Anticancer agent 230) is a selective and potent activator of the mitochondrial protease ClpP that inhibits tumor growth in the MDA-MB-231 xenograft model.
Targets(IC50)	Protease
In vitro	The CFTR corrector 12, when applied at a concentration of 15 μM for 72 hours, is capable of restoring α-sarcoglycan levels in cells harboring the L31P/V247M α-SG mutations[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5584 mL	12.792 mL	25.584 mL
5 mM	0.5117 mL	2.5584 mL	5.1168 mL
10 mM	0.2558 mL	1.2792 mL	2.5584 mL
50 mM	0.0512 mL	0.2558 mL	0.5117 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.

Reference

Preparation of tetrahydropyrido[4,3-d]pyrimidine-2,4-dione analogs useful in the treatment of cancers and in modulating the activity of caseinolytic protease p function. United States, US20230339947 A2023-10-26.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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