

LC-PDin06

Chemical Properties

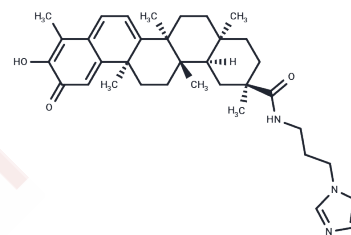
CAS No. : 2027514-32-3

Formula: C₃₅H₄₇N₃O₃

Molecular Weight: 557.77

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	LC-PDin06, a selective PRDX1 inhibitor with an IC ₅₀ of 0.042 μM, is a derivative of Celastrol. It exhibits potent anti-proliferative effects on colorectal cancer cells by significantly increasing ROS levels.
Targets(IC ₅₀)	ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7929 mL	8.9643 mL	17.9285 mL
5 mM	0.3586 mL	1.7929 mL	3.5857 mL
10 mM	0.1793 mL	0.8964 mL	1.7929 mL
50 mM	0.0359 mL	0.1793 mL	0.3586 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481