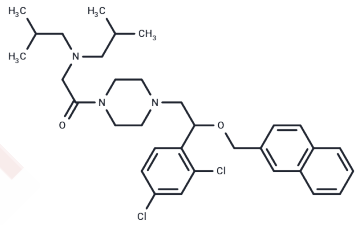
Data Sheet (Cat.No.T4123)

TargetMol

LYN-1604

Chemical Properties



CAS No. : 2088939-99-3

Formula: C33H43Cl2N3O2

Molecular Weight: 584.62

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	LYN-1604 is a novel activator of ULK1, inducing cell death involved in ATF3, RAD21, and caspase3, accompanied by autophagy and apoptosis.
Targets(IC50)	Apoptosis,Autophagy

Solubility Information

Solubility	DMSO: 46 mg/mL (78.68 mM),Sonication is recommended. H2O: 90 mg/mL (153.95 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7105 mL	8.5526 mL	17.1051 mL
5 mM	0.3421 mL	1.7105 mL	3.421 mL
10 mM	0.1711 mL	0.8553 mL	1.7105 mL
50 mM	0.0342 mL	0.1711 mL	0.3421 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

Zhang L, Fu L, Zhang S, Zhang J, Zhao Y, Zheng Y, He G, Yang S, Ouyang L, Liu B. Discovery of a small molecule targeting ULK1-modulated cell death of triple negative breast cancer in vitro and in vivo. Chem Sci. 2017 Apr 1;8 (4):2687-2701.

Ouyang L, Zhang L, Fu L, Liu B. A small-molecule activator induces ULK1-modulating autophagy-associated cell death in triple negative breast cancer. Autophagy. 2017 Apr 3;13(4):777-778.

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