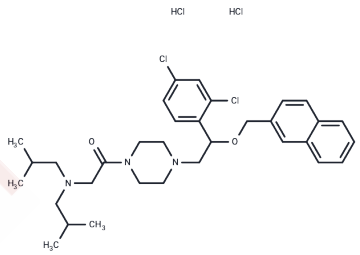
Data Sheet (Cat.No.T8808L)

TargetMol

LYN-1604 dihydrochloride

Chemical Properties



CAS No. : 2310109-38-5

Formula: C33H45Cl4N3O2

Molecular Weight: 657.54

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 ULK1 activator.It inducing cell death involved in ATF3, RAD21, and caspase3, accompanied by autophagy and apoptosis.
Targets(IC50)	Apoptosis,Autophagy
In vitro	LYN-1604, to be the best candidate for a ULK1 agonist.?LYN-1604 induced cell death involved in ATF3, RAD21, and caspase3, accompanied by autophagy and apoptosis.? LYN-1604 has potential for good therapeutic effects on TNBC by targeting ULK1-modulated cell death in vivo

Solubility Information

Solubility	DMSO: 150 mg/mL (228.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.04 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5208 mL	7.6041 mL	15.2082 mL
5 mM	0.3042 mL	1.5208 mL	3.0416 mL
10 mM	0.1521 mL	0.7604 mL	1.5208 mL
50 mM	0.0304 mL	0.1521 mL	0.3042 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 , et al. Discovery of a small molecule targeting ULK1-modulated cell death of triple negative breast cancer in vitro and in vivo[J]. Chemical Science, 2017, 8(4):2687.