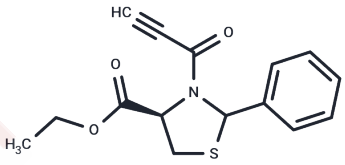
Data Sheet (Cat.No.T25032)

TargetMol

ALC67

Chemical Properties



CAS No. : 1044255-57-3

Formula: C15H15NO3S

Molecular Weight: 289.35

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	ALC67 has a promising anticancer activity that results in the recent discovery of a series of 3-propionyl thiazolidine-4-carboxylic acid ethyl esters as a family of novel antiproliferative agents. It is an activator of the caspase-9 involved apoptotic pathway, which is death receptor-independent.
Targets(IC50)	Apoptosis,Others,Caspase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.456 mL	17.2801 mL	34.5602 mL
5 mM	0.6912 mL	3.456 mL	6.912 mL
10 mM	0.3456 mL	1.728 mL	3.456 mL
50 mM	0.0691 mL	0.3456 mL	0.6912 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

Charehsaz M, Onen-Bayram FE, Sipahi H, Buran K, Giri AK, Aydin A. Evaluation of the mutagenic and genotoxic effects of the ALC67 thiazolidine compound in Salmonella strains and human lymphocytes in vitro. Hum Exp Toxicol. 2016 Oct;35(10):1108-15. doi: 10.1177/0960327115621365. Epub 2015 Dec 13. PubMed PMID: 26666987.
Onen-Bayram FE, Durmaz I, Scherman D, Herscovici J, Cetin-Atalay R. A novel thiazolidine compound induces caspase-9 dependent apoptosis in cancer cells. Bioorg Med Chem. 2012 Sep 1;20(17):5094-102. doi: 10.1016/j.bmc.2012.07.016. Epub 2012 Jul 20. PubMed PMID: 22867707.

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