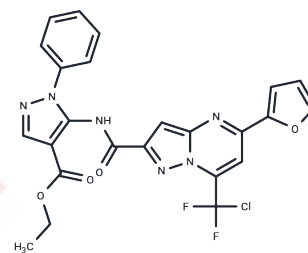


Mycro 3

Chemical Properties

CAS No. : 944547-46-0
 Formula: C₂₄H₁₇ClF₂N₆O₄
 Molecular Weight: 526.88
 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	Mycro 3 is potent and selective for c-Myc in whole cell assays.
Targets(IC50)	Autophagy,c-Myc
In vitro	Mycro 3 inhibits the interaction between c-Myc and Max. Mycro 3 has high selectivity and inhibits c-Myc/Max dimerization and conjugation with DNA. Mycro 3 is potent and selective for c-Myc in whole cell assays, with weak inhibitory activity against Activator protein 1 (AP-1), Mycro 3 has a superior specificity profile to its predecessors.

Solubility Information

Solubility	DMSO: 55 mg/mL (104.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (4.74 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.898 mL	9.4898 mL	18.9797 mL
5 mM	0.3796 mL	1.898 mL	3.7959 mL
10 mM	0.1898 mL	0.949 mL	1.898 mL
50 mM	0.038 mL	0.1898 mL	0.3796 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

Chen BJ, et al. Small molecules targeting c-Myc oncogene: promising anti-cancer therapeutics. Int J Biol Sci. 2014 Sep 13;10(10):1084-96.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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