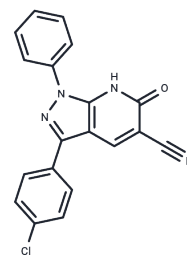


MY05

Chemical Properties

CAS No. : 667909-97-9
 Formula: C₁₉H₁₁ClN₄O
 Molecular Weight: 346.77
 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	MY05 selectively targets c-MYC within cells and disrupts the interaction between MYC and MAX. It binds to intracellular c-MYC, modulating its thermal stability, reducing the transcriptional targets of c-MYC, and exhibiting anticancer activity (TNBC, triple-negative breast cancer).
Targets(IC50)	c-Myc
In vitro	MY05 exhibits IC 50 values of 10.6 μM, 13.5 μM, and 39.4 μM against MDA-MB 231, MDA-MB 468, and MCF-7 cell lines, respectively. It induces apoptosis and inhibits the growth of MYC-driven breast tumor spheres.
In vivo	In a mouse model of triple-negative breast cancer (TNBC), MY05 (10 mg/kg) effectively inhibits the growth of MYC-driven solid tumors.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8838 mL	14.4188 mL	28.8376 mL
5 mM	0.5768 mL	2.8838 mL	5.7675 mL
10 mM	0.2884 mL	1.4419 mL	2.8838 mL
50 mM	0.0577 mL	0.2884 mL	0.5768 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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