Data Sheet (Cat.No.T209996)

TargetMol

Dicycloplatin

Chemical Properties

CAS No. : 287402-09-9

Formula: C12H20N2O8Pt

Molecular Weight: 515.38

Storage: Keep away from direct sunlight,The compound is unstable in solution. Please use soon
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	Dicycloplatin is an inducer of DNA damage. It activates doubly phosphorylated checkpoint kinase 2 (CHK2), breast cancer 1 (BRCA1), and triply phosphorylated p53 to induce DNA damage. Dicycloplatin can cause cell cycle arrest, inhibit proliferation, and trigger apoptosis in prostate cancer PC3 cells and lung cancer NCI/H446 cells. It is applicable for research in the field of cancer.
Targets(IC50)	Apoptosis,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: Slightly soluble,DMSO inactivates the activity of Dicycloplatin. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9403 mL	9.7016 mL	19.4032 mL
5 mM	0.3881 mL	1.9403 mL	3.8806 mL
10 mM	0.194 mL	0.9702 mL	1.9403 mL
50 mM	0.0388 mL	0.194 mL	0.3881 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481