

PDK-IN-2

## Chemical Properties

CAS No. :

Formula: C17H23AsCl2N2O2S2

Molecular Weight: 497.33

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	PDK-IN-2 (Compound 1F), with an IC50 of 68 nM, is a potent PDK inhibitor that downregulates the expression of PDK1 and PDK4 in cells. It promotes mitochondrial bioenergetics, reduces glycolytic activity, and triggers apoptosis via the mitochondrial pathway. Additionally, PDK-IN-2 has been shown to impede tumor growth in a 4T1 syngeneic mouse model [1].
Targets(IC50)	Others,Mitochondrial Metabolism,Dehydrogenase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0107 mL	10.0537 mL	20.1074 mL
5 mM	0.4021 mL	2.0107 mL	4.0215 mL
10 mM	0.2011 mL	1.0054 mL	2.0107 mL
50 mM	0.0402 mL	0.2011 mL	0.4021 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.

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