

MARK4 inhibitor 2

Chemical Properties

CAS No. :

Formula: C₃₄H₃₀N₄O₃

Molecular Weight: 542.63

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	MARK4 Inhibitor 2 is a potent inhibitor of Microtubule Affinity-Regulating Kinase 4 (MARK4), exhibiting a K of 6.3×10^7 and an IC ₅₀ of 0.82 μM. It effectively inhibits the growth of human cells, thereby offering potential for use in cancer research [1].
Targets(IC50)	AMPK
In vitro	MARK4 inhibitor 2 (Compound 23a) inhibits the proliferation of HeLa, U87MG, MDA-MB-435, U251, and HGFs cells at concentrations of 0-20 μM over 24 hours, with EC50 values ranging from 1.76 μM to 7.98 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8429 mL	9.2144 mL	18.4288 mL
5 mM	0.3686 mL	1.8429 mL	3.6858 mL
10 mM	0.1843 mL	0.9214 mL	1.8429 mL
50 mM	0.0369 mL	0.1843 mL	0.3686 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

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