

MY-673

Chemical Properties

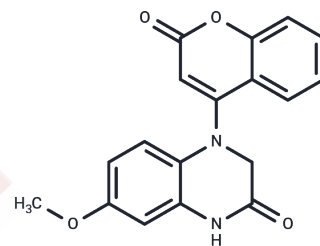
CAS No. : 2944459-96-3

Formula: C₁₈H₁₄N₂O₄

Molecular Weight: 322.31

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	MY-673, a colchicine binding site inhibitor (CBSI), impedes tubulin polymerization and disrupts the ERK signaling pathway, consequently modulating SMAD4 protein expression in the TGF- β /SMAD pathway. This compound effectively reduces cell proliferation and migration while inducing apoptosis in both in vivo and in vitro settings [1].
Targets(IC50)	Apoptosis,ERK,Others,Microtubule Associated,TGF-beta/Smad

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1026 mL	15.513 mL	31.026 mL
5 mM	0.6205 mL	3.1026 mL	6.2052 mL
10 mM	0.3103 mL	1.5513 mL	3.1026 mL
50 mM	0.0621 mL	0.3103 mL	0.6205 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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