

MAPK-IN-2

Chemical Properties

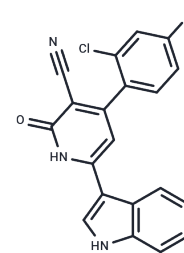
CAS No. :

Formula: C₂₀H₁₁Cl₂N₃O

Molecular Weight: 380.23

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	MAPK-IN-2 (compound 3h) is an efficacious MAPK inhibitor with antineoplastic properties that significantly hinders proliferation across various cancer cell lines. It demonstrates robust suppression of the MAPK pathway (EGFR WT IC ₅₀ = 281 nM, c-MET IC ₅₀ = 205 nM, B-RAF WT IC ₅₀ = 112 nM, CDK4/6 IC ₅₀ = 95 and 184 nM, respectively) and exhibits pronounced activity against mutated forms of EGFR and B-RAF (EGFR T790M IC ₅₀ = 69 nM and B-RAF V600E IC ₅₀ = 83 nM) [1].
Targets(IC ₅₀)	EGFR,Raf,CDK,c-Met/HGFR,p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.630 mL	13.1499 mL	26.2999 mL
5 mM	0.526 mL	2.630 mL	5.260 mL
10 mM	0.263 mL	1.315 mL	2.630 mL
50 mM	0.0526 mL	0.263 mL	0.526 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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