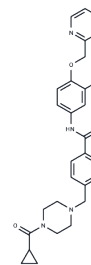


p53 Activator 14

Chemical Properties

CAS No. :	2922588-44-9
Formula:	C ₂₈ H ₂₉ ClN ₄ O ₃
Molecular Weight:	505.008
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	p53 Activator 14 (Compound 7A) is a derivative of Neratinib that can induce DNA damage and activate p53, thereby inhibiting the proliferation of various cancer cells, with an IC ₅₀ of 7.21 μM for HCT116 cells. This compound hinders adhesion, migration, and invasion of HCT116 cells, disrupts the cell cycle, and triggers apoptosis. In addition, p53 Activator 14 exhibits anti-tumor properties and inhibits angiogenesis in the chick embryo chorioallantoic membrane (CAM) model.
Targets(IC ₅₀)	Apoptosis,MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9802 mL	9.9008 mL	19.8016 mL
5 mM	0.396 mL	1.9802 mL	3.9603 mL
10 mM	0.198 mL	0.9901 mL	1.9802 mL
50 mM	0.0396 mL	0.198 mL	0.396 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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