

BMH-7 HCl

Chemical Properties

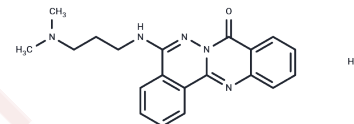
CAS No. :

Formula: C₂₀H₂₂ClN₅O

Molecular Weight: 383.88

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	BMH-7 HCl is a p53 activator, showing anticancer activity through the activation of the p53 pathway.
Targets(IC50)	p53
In vitro	BMH-7 HCl is BMH-7 with the HCl group. BMH-7 activates ATM-dependent DNA damage signaling and acts as a potential genotoxic agent. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.605 mL	13.0249 mL	26.0498 mL
5 mM	0.521 mL	2.605 mL	5.210 mL
10 mM	0.2605 mL	1.3025 mL	2.605 mL
50 mM	0.0521 mL	0.2605 mL	0.521 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.

Reference

Peltonen K, et al. Identification of novel p53 pathway activating small-molecule compounds reveals unexpected similarities with known therapeutic agents. PLoS One. 2010 Sep 27;5(9):e12996.

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