

## Antitumor agent-209

## Chemical Properties

CAS No. :	1616473-67-6
Formula:	C <sub>22</sub> H <sub>26</sub> N <sub>3</sub> O
Molecular Weight:	367.47
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Antitumor agent-209 (Compound 10g), a quinoline derivative, functions as an antineoplastic agent. It effectively inhibits the proliferation of various cancer cell lines, specifically HCT-116, RKO, DLD1, HepG2, BGC-823, NCI-H1650, and SK-OV-3, with IC50 values of 0.37, 0.58, 0.81, 0.79, 0.89, 0.78, and 0.89 $\mu$ M, respectively.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7213 mL	13.6066 mL	27.2131 mL
5 mM	0.5443 mL	2.7213 mL	5.4426 mL
10 mM	0.2721 mL	1.3607 mL	2.7213 mL
50 mM	0.0544 mL	0.2721 mL	0.5443 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.

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