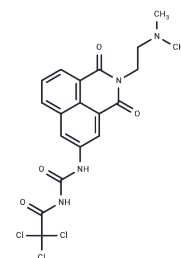


UNBS3157

Chemical Properties

CAS No. : 868962-26-9
 Formula: C19H17Cl3N4O4
 Molecular Weight: 471.72
 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	UNBS3157 is a novel naphthalimide derivative that is non-hematotoxic and exhibits significant antitumor activity through DNA intercalation and the poisoning of topoisomerase IIalpha. Unlike Amonafide, a related naphthalimide compound that showed activity in Phase II breast cancer trials but did not proceed to Phase III due to dose-limiting myelotoxicity, UNBS3157 has a maximum tolerated dose 3-4 times higher and does not cause hematotoxicity in mice at effective antitumor doses. In vivo models, including (i) L1210 mouse leukemia, (ii) MXT-HI mouse mammary adenocarcinoma, and (iii) human A549 non-small cell lung carcinoma and BxPC3 pancreatic cancer orthotopic models, demonstrate superior efficacy of UNBS3157 compared to Amonafide.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1199 mL	10.5995 mL	21.199 mL
5 mM	0.424 mL	2.1199 mL	4.2398 mL
10 mM	0.212 mL	1.060 mL	2.1199 mL
50 mM	0.0424 mL	0.212 mL	0.424 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481