

HER2-IN-11

Chemical Properties

CAS No. :

Formula: C₁₇H₁₁N₆O₆

Molecular Weight: 325.27

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	HER2-IN-11 is a psoralen derivative that induces apoptosis, exhibits light-activated cytotoxicity, and demonstrates anti-breast cancer activity [1].
Targets(IC50)	Apoptosis,Others
In vitro	HER2-IN-11 (50 μ M) exhibits phototoxicity against SK-BR-3 cells with an IC ₅₀ of 2.71 μ M [1]. HER2-IN-11 (1-50 μ M; 48 h) alters SK-BR-3 cell morphology under UVA irradiation and raises the apoptotic index [1]. Apoptosis Analysis [1] Cell Line: SK-BR-3 cells Concentration: 1, 2.5, 5, 10, 20, and 50 μ M Incubation Time: 48 hours Result: Higher concentrations (10, 20, and 50 μ M) lead to cells breaking down into apoptotic bodies, while lower concentrations (1, 2.5, and 5 μ M) cause cell shrinkage and plasma membrane blebbing.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0744 mL	15.3718 mL	30.7437 mL
5 mM	0.6149 mL	3.0744 mL	6.1487 mL
10 mM	0.3074 mL	1.5372 mL	3.0744 mL
50 mM	0.0615 mL	0.3074 mL	0.6149 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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