

BAG3/HSP70-IN-1

Chemical Properties

CAS No. :

Formula: C28H39N7O4

Molecular Weight: 537.65

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	USP1-IN-11 (compound 38-P2) is a selective, reversible, and non-competitive inhibitor of USP1 (Ubiquitin-specific protease 1). It activates the DDR (DNA damage repair) pathway, leading to cell cycle arrest and apoptosis, thereby inhibiting cell survival. USP1-IN-11 increases sensitivity to Olaparib in drug-resistant cells and works synergistically with Andrographolide in cancer cells with functional BRCA. In the MDA-MB-436 xenograft model, USP1-IN-11 demonstrates significant dose-dependent antitumor activity.
Targets(IC50)	Apoptosis,HSP,Caspase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8599 mL	9.2997 mL	18.5995 mL
5 mM	0.372 mL	1.8599 mL	3.7199 mL
10 mM	0.186 mL	0.930 mL	1.8599 mL
50 mM	0.0372 mL	0.186 mL	0.372 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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