

33-BCRP Inhibitor

Chemical Properties

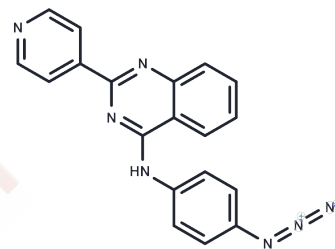
CAS No. :

Formula: C₁₉H₁₃N₇

Molecular Weight: 339.40

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	33-BCRP inhibitor is a compound that blocks the action of breast cancer resistance protein (BCRP), enhancing the susceptibility of mitoxantrone-resistant H460/MX20 lung cancer cells to the cytotoxic effects of mitoxantrone, both individually and when combined with UV radiation. Additionally, it enhances the sensitivity of KB-C2 epidermal carcinoma cells, which overexpress P-glycoprotein (P-gp) or multidrug resistance protein (MDR), to colchicine-induced apoptosis. Furthermore, at a concentration of 5 μ M, it boosts the intracellular accumulation of mitoxantrone in H460/MX20 cells.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble Ethanol: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9464 mL	14.7319 mL	29.4638 mL
5 mM	0.5893 mL	2.9464 mL	5.8928 mL
10 mM	0.2946 mL	1.4732 mL	2.9464 mL
50 mM	0.0589 mL	0.2946 mL	0.5893 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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