

Antitumor photosensitizer-4

Chemical Properties

CAS No. :

Formula: C₆₅H₇₇ClN₁₂O₁₁S

Molecular Weight: 1269.9

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	Antitumor Photosensitizer-4 (compound 10b), a conjugate of dasatinib and imatinib, serves as a potent tyrosine kinase inhibitor (TKI) targeting ABCG2. This photosensitizer (PS) induces apoptosis and reactive oxygen species (ROS) production, while demonstrating significant phototoxicity against both HepG2 and B16-F10 cells [1].
Targets(IC50)	Apoptosis,BCRP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7875 mL	3.9373 mL	7.8746 mL
5 mM	0.1575 mL	0.7875 mL	1.5749 mL
10 mM	0.0787 mL	0.3937 mL	0.7875 mL
50 mM	0.0157 mL	0.0787 mL	0.1575 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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