

Photosensitizer-5

Chemical Properties

CAS No. :

Formula: C35H26BF2IN4O2

Molecular Weight: 710.32

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 | Photosensitizer-5, a photodynamic agent, exhibits cytotoxicity towards HeLa and HepG2 cells, with IC50 values of 10.4 nM and 6.9 nM, respectively. It induces cell death through lipid peroxidation via an iron-independent ferroptosis pathway. Additionally, Photosensitizer-5 displays antitumor activity in HeLa-tumor-bearing mice. |
| Targets(IC50) | Ferroptosis |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.4078 mL | 7.0391 mL | 14.0782 mL |
| 5 mM | 0.2816 mL | 1.4078 mL | 2.8156 mL |
| 10 mM | 0.1408 mL | 0.7039 mL | 1.4078 mL |
| 50 mM | 0.0282 mL | 0.1408 mL | 0.2816 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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