

SHP2-IN-35

Chemical Properties

CAS No. :

Formula: C34H32FeO6

Molecular Weight: 592.46

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 | SHP2-IN-35 (Compound 3f) functions as an inhibitor of SHP2. It exhibits antiproliferative activity in cancer cell lines RKO, SW480, and CT26, with IC50 values of 5.72 μ M, 3.71 μ M, and 1.42 μ M, respectively. SHP2-IN-35 inhibits the PI3K-Akt signaling pathway, regulates the expression of cell cycle-related genes, and induces mitochondrial autophagy (autophagy). Within the tumor microenvironment (TME), SHP2-IN-35 suppresses the expression of certain cytokines and chemokines, thereby modulating tumor progression. |
| Targets(IC50) | Akt,Autophagy,Phosphatase,PI3K |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.6879 mL | 8.4394 mL | 16.8788 mL |
| 5 mM | 0.3376 mL | 1.6879 mL | 3.3758 mL |
| 10 mM | 0.1688 mL | 0.8439 mL | 1.6879 mL |
| 50 mM | 0.0338 mL | 0.1688 mL | 0.3376 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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