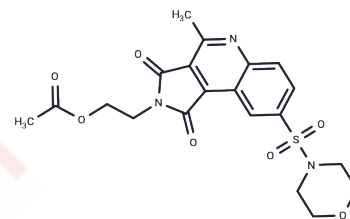


Ivachtin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 745046-84-8 |
| Formula: | C ₂₀ H ₂₁ N ₃ O ₇ S |
| Molecular Weight: | 447.46 |
| 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 | Ivachtin (Caspase-3 Inhibitor VII) is a nonpeptide, noncompetitive and reversible caspase-3 inhibitor (IC ₅₀ = 23 nM) and is a modest inhibitor of the remaining caspases. |
| Targets(IC ₅₀) | Caspase |
| In vitro | Ivachtin has protective effect in a model of staurosporin-induced apoptosis in human Jurkat T cells. |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: slightly soluble DMF: 2 mg/mL (4.47 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.2348 mL | 11.1742 mL | 22.3484 mL |
| 5 mM | 0.447 mL | 2.2348 mL | 4.4697 mL |
| 10 mM | 0.2235 mL | 1.1174 mL | 2.2348 mL |
| 50 mM | 0.0447 mL | 0.2235 mL | 0.447 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.

Reference

Kravchenko DV, et al. Synthesis and structure-activity relationship of 4-substituted 2-(2-acetyloxyethyl)-8-(morpholine-4-sulfonyl)pyrrolo[3,4-c]quinoline-1,3-diones as potent caspase-3 inhibitors. J Med Chem. 2005 Jun 2; 48(11):3680-3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481