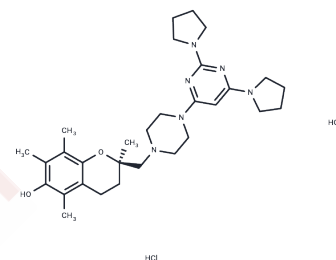


U-83836E

Chemical Properties

CAS No. : 137018-55-4
 Formula: C₃₀H₄₆Cl₂N₆O₂
 Molecular Weight: 593.63
 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 | U-83836E (lazaroid) has neuroprotective activity and anti-tumor activity, inhibits glioma cell proliferation, inhibits tumor necrosis factor and reverses endotoxin-induced shock. |
| Targets(IC50) | Others,ROS |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 60 mg/mL (101.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (4.21 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.6846 mL | 8.4228 mL | 16.8455 mL |
| 5 mM | 0.3369 mL | 1.6846 mL | 3.3691 mL |
| 10 mM | 0.1685 mL | 0.8423 mL | 1.6846 mL |
| 50 mM | 0.0337 mL | 0.1685 mL | 0.3369 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

li H,et al. Identification of U83836E as a γ -glutamylcyclotransferase inhibitor that suppresses MCF7 breast cancer xenograft growth. Biochem Biophys Res Commun. 2021 Apr 16;549:128-134.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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