

9-Ethoxychelerythrine

Chemical Properties

CAS No. : 7451-89-0

Formula: C₂₃H₂₃NO₅

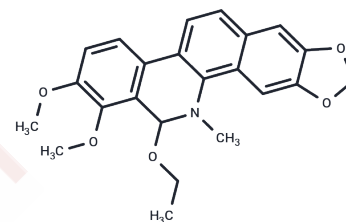
Molecular Weight: 393.43

Storage:

Keep away from direct sunlight, Keep away from moisture, Store under nitrogen

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 | 9-Ethoxychelerythrine serves as a chemical reference standard for the quality control of traditional Chinese herbal medicines derived from species such as <i>Zanthoxylum nitidum</i> . Beyond its analytical applications, emerging studies indicate that this compound may exert notable biological effects, including the ability to induce mitochondrial apoptosis in colorectal cancer cells. This mechanistic insight highlights its potential value as a preliminary lead structure for oncology research, particularly in investigations focused on programmed cell death pathways and natural-product-based anticancer agents. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5417 mL | 12.7087 mL | 25.4175 mL |
| 5 mM | 0.5083 mL | 2.5417 mL | 5.0835 mL |
| 10 mM | 0.2542 mL | 1.2709 mL | 2.5417 mL |
| 50 mM | 0.0508 mL | 0.2542 mL | 0.5083 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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