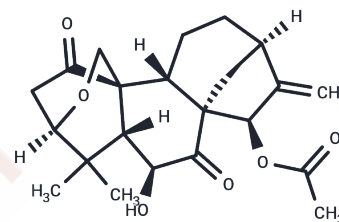


Maoecrystal A

Chemical Properties

CAS No. : 96850-30-5
 Formula: C₂₂H₂₈O₆
 Molecular Weight: 388.45
 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 | Maoecrystal A is a natural compound isolated from the leaves of <i>I. eriocalyx</i> with anti-inflammatory, antioxidant and antibacterial activity. |
| Targets(IC50) | Antioxidant, Antibacterial |

Solubility Information

| | |
|------------|---|
| Solubility | Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5743 mL | 12.8717 mL | 25.7433 mL |
| 5 mM | 0.5149 mL | 2.5743 mL | 5.1487 mL |
| 10 mM | 0.2574 mL | 1.2872 mL | 2.5743 mL |
| 50 mM | 0.0515 mL | 0.2574 mL | 0.5149 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

Zhang, C., Qin, C., Yang, G., Boughaba, F., He, Y., & Ma, W. et al. (2018). Developing an UPLC-MS/MS method to quantify maoecrystal A in rat plasma: Application to a pharmacokinetic study. *Journal Of Chromatography B*, 1086, 105-109. doi: 10.1016/j.jchromb.2018.04.012

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