

macranthoidin A

Chemical Properties

CAS No. : 140360-29-8

Formula: C₅₉H₉₆O₂₇

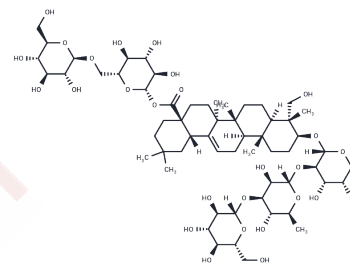
Molecular Weight: 1237.38

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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 | Macranthoidin A has anti-inflammation activity. |
| Targets(IC50) | Others |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 50 mg/mL (40.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Corn Oil: 2.5 mg/mL (2.02 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 | 0.8082 mL | 4.0408 mL | 8.0816 mL |
| 5 mM | 0.1616 mL | 0.8082 mL | 1.6163 mL |
| 10 mM | 0.0808 mL | 0.4041 mL | 0.8082 mL |
| 50 mM | 0.0162 mL | 0.0808 mL | 0.1616 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

Chai XY,et al. Quality evaluation of Flos Ionicerae through a simultaneous determination of seven saponins by HPLC with ELSD. J Chromatogr A. 2005 Apr 8;1070(1-2):43-8.

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