

## Macranthoidin B

## Chemical Properties

CAS No. : 136849-88-2

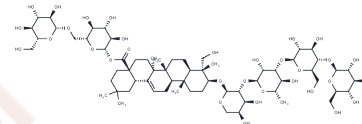
Formula: C<sub>65</sub>H<sub>106</sub>O<sub>32</sub>

Molecular Weight: 1399.52

Storage: 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 B is an active natural saponin.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 54 mg/mL (38.58 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 mg/mL (1.43 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	0.7145 mL	3.5727 mL	7.1453 mL
5 mM	0.1429 mL	0.7145 mL	1.4291 mL
10 mM	0.0715 mL	0.3573 mL	0.7145 mL
50 mM	0.0143 mL	0.0715 mL	0.1429 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

Chen CY, et al. J Chromatogr B Analyt Technol Biomed Life Sci. 2009 Jan 15;877(3):159-65.;

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