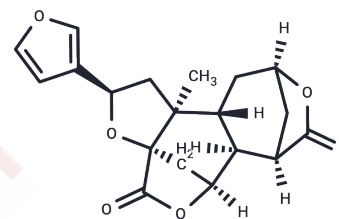


## Diosbulbin B

### Chemical Properties

CAS No. :	20086-06-0
Formula:	C <sub>19</sub> H <sub>20</sub> O <sub>6</sub>
Molecular Weight:	344.36
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	1. Diosbulbin B exhibits potential hepatotoxicity. 2. Diosbulbin B has potential anti-tumor effects which may be related to influencing the immune system for the first time.
Targets(IC50)	Others,Endogenous Metabolite

### Solubility Information

Solubility	DMSO: 40 mg/mL (116.16 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.9 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	2.9039 mL	14.5197 mL	29.0394 mL
5 mM	0.5808 mL	2.9039 mL	5.8079 mL
10 mM	0.2904 mL	1.452 mL	2.9039 mL
50 mM	0.0581 mL	0.2904 mL	0.5808 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

Wang J M , Sheng Y C , Ji L L , et al. Ferulic acid prevents liver injury and increases the anti-tumor effect of diosbulbin Bin vivo[J]. Journal of Zhejiang University SCIENCE B, 2014, 15(6):540-547.

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