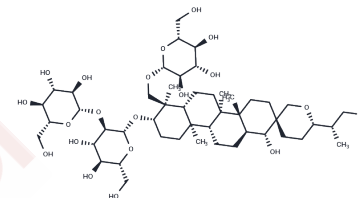


## Hosenkoside A

### Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 156791-82-1   |
| Formula:          | C <sub>48</sub> H <sub>82</sub> O <sub>20</sub>   |
| Molecular Weight: | 979.15  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



### Biological Description

|               |   |
|---------------|---|
| Description   | Hosenkoside A is a glycoside isolated from the seeds of Hosenkoside A. Hosenkoside A exhibits antitumor activity and induces apoptosis and cell cycle arrest. |
| Targets(IC50) | Apoptosis   |

### Solubility Information

|                     |  |
|---------------------|--|
| Solubility          | Methanol: Soluble,<br>DMSO: 55 mg/mL (56.17 mM),Sonication is recommended.<br>( $< 1$ 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 (2.04 mM),Sonication is recommended.<br><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  | 1.0213 mL | 5.1065 mL | 10.2129 mL |
| 5 mM  | 0.2043 mL | 1.0213 mL | 2.0426 mL  |
| 10 mM | 0.1021 mL | 0.5106 mL | 1.0213 mL  |
| 50 mM | 0.0204 mL | 0.1021 mL | 0.2043 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

Yu X, et al. An LC-MS/MS method for simultaneous determination of hosenkoside A and hosenkoside K from Semen Impatiensis in rat plasma and its application to a pharmacokinetic study. Biomed Chromatogr. 2017 Mar;31 (3).

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