

## 8-O-Acetylharpagide

### Chemical Properties

CAS No. : 6926-14-3

Formula: C<sub>17</sub>H<sub>26</sub>O<sub>11</sub>

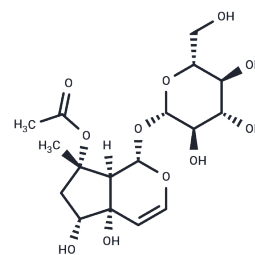
Molecular Weight: 406.38

Storage:

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

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	1. 8-O-Acetylharpagide has anti-inflammatory activity. 2. 8-O-Acetylharpagide has antibacteria and antiviral activities. 3. 8-O-Acetylharpagide has a biological activity on isolated smooth muscle preparations from guinea pig.
Targets(IC50)	Antibacterial

### Solubility Information

Solubility	DMSO: 73 mg/mL (179.63 mM), Sonication is recommended. Pyridine, Methanol, etc.: Soluble, Ethanol: Soluble, ( $< 1$ 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 (4.92 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

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	1mg	5mg	10mg
1 mM	2.4608 mL	12.3038 mL	24.6075 mL
5 mM	0.4922 mL	2.4608 mL	4.9215 mL
10 mM	0.2461 mL	1.2304 mL	2.4608 mL
50 mM	0.0492 mL	0.2461 mL	0.4922 mL

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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

Bin-Yu W , Jian-Rong L I . Pharmacokinetics of 8-O-acetylharpagide and harpagide after oral administration of *Ajuga decumbens* extract in beagle dog[J]. China Journal of Chinese Materia Medica, 2013.

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