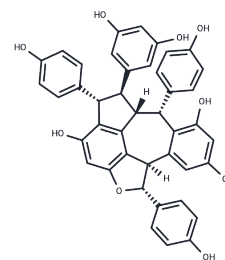


## Ampelopsin C

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 130518-20-6   |
| Formula:          | C <sub>42</sub> H <sub>32</sub> O <sub>9</sub>  |
| Molecular Weight: | 680.7   |
| 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   | Ampelopsin C protects endothelial cells from hyperglycemia-induced oxidative damage by inducing autophagy via the AMPK signaling pathway. |
| Targets(IC50) | Others  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.4691 mL | 7.3454 mL | 14.6908 mL |
| 5 mM  | 0.2938 mL | 1.4691 mL | 2.9382 mL  |
| 10 mM | 0.1469 mL | 0.7345 mL | 1.4691 mL  |
| 50 mM | 0.0294 mL | 0.1469 mL | 0.2938 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

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- Kou X, Shen K, An Y, Qi S, Dai WX, Yin Z. Ampelopsin inhibits H<sub>2</sub>O<sub>2</sub>-induced apoptosis by ERK and Akt signaling pathways and up-regulation of heme oxygenase-1. *Phytother Res.* 2012 Jul;26(7):988-94. doi: 10.1002/ptr.3671. Epub 2011 Dec 6. PubMed PMID: 22144097.

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