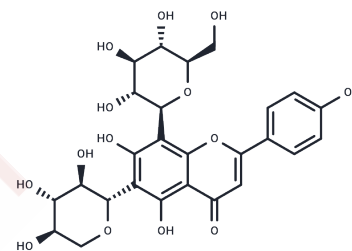


## Vicenin-1

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 35927-38-9  |
| Formula:          | C <sub>26</sub> H <sub>28</sub> O <sub>14</sub>   |
| Molecular Weight: | 564.49  |
| 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   | Vicenin-1 (Vicenin -1) is a flavonoid glycoside isolated from the seeds of the leguminous plant fenugreek with potent anti-inflammatory and antioxidant activity, inhibiting angiotensin-converting enzyme (ACE). |
| Targets(IC50) | Antioxidant,Angiotensin-converting Enzyme (ACE)   |
| In vitro      | The compound C-glycosylflavone (Vicenin 1) exhibits potent ACE inhibitory activity with an IC <sub>50</sub> value of 52.50 μM.  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 80 mg/mL (141.72 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.7715 mL | 8.8576 mL | 17.7151 mL |
| 5 mM  | 0.3543 mL | 1.7715 mL | 3.543 mL   |
| 10 mM | 0.1772 mL | 0.8858 mL | 1.7715 mL  |
| 50 mM | 0.0354 mL | 0.1772 mL | 0.3543 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

Zhang YQ,et al. Bioassay-guided preparative separation of angiotensin-converting enzyme inhibitory C-flavone glycosides from *Desmodium styracifolium* by recycling complexation high-speed counter-current chromatography. *J Pharm Biomed Anal.* 2015 Jan;102:276-81.

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