

---

**Product Data Sheet**


---

Product Name: Vicenin-1

Cat. No.: GC61786

**Chemical Properties**

Cas. No. 35927-38-9

SMILES OC1=C([C@H]2[C@@H]([C@H]([C@H](O)CO2)O)C(O)=C(C=C(C3=CC=C(O)C=C3)O4)=O)C4=C1[C@@H]5O[C@@H]([C@@H](O)[C@H](O)[C@H]5O)CO

Formula C<sub>26</sub>H<sub>28</sub>O<sub>14</sub>

M.Wt 564.49

Solubility DMSO : 100 mg/mL (177.15 mM; Need ultrasonic)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Vicenin 1 is a C-glycosylflavone isolated from the aerial parts of *Desmodium styracifolium*, has an inhibitory effect on angiotensin-converting enzyme (ACE)(IC<sub>50</sub>=52.50 μM)[1].

The target-isolated C-glycosylflavone (Vicenin 1) is evaluated for inhibitory activities. Vicenin 1 embodies effective ACE inhibitory activities with an IC<sub>50</sub> value of 52.50 μM. The tested compound 3 (Vicenin 1) shows activity via the generation of chelate complexes within the active center of ACE[1].

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---