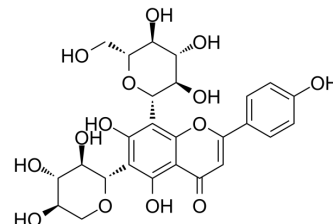


Vicenin-1

Cat. No.:	HY-125112		
CAS No.:	35927-38-9		
Molecular Formula:	C ₂₆ H ₂₈ O ₁₄		
Molecular Weight:	564.49		
Target:	Angiotensin-converting Enzyme (ACE)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

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

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7715 mL	8.8576 mL	17.7151 mL
	5 mM	0.3543 mL	1.7715 mL	3.5430 mL
	10 mM	0.1772 mL	0.8858 mL	1.7715 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Vicenin 1 is a C-glycosylflavone that has an inhibitory effect on angiotensin-converting enzyme (ACE) (IC₅₀=52.50 μM)^[1].

IC₅₀ & Target

IC₅₀: 52.50 μM (ACE)^[1]

In Vitro

The target-isolated C-glycosylflavone (Vicenin 1) is evaluated for inhibitory activities. Vicenin 1 embodies effective ACE inhibitory activities with an IC₅₀ 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].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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 Ja

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA