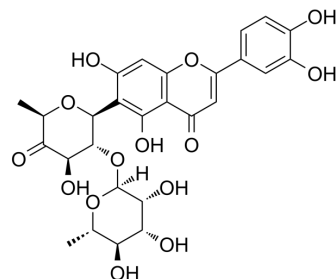


## Maysin

Cat. No.:	HY-126636
CAS No.:	70255-49-1
Molecular Formula:	C <sub>27</sub> H <sub>28</sub> O <sub>14</sub>
Molecular Weight:	576.5
Target:	α-synuclein
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Maysin, a neuroprotective C-glycosyl-flavone, can be isolated from corn silk. Maysin shows protective activity against the damage caused by Syn amyloid aggregates-oligomers and fibrils. Maysin prevents oxidative stress and imbalance of intracellular calcium homeostasis, activating an autophagic degradative process. Maysin can be used for research of Parkinson's disease (PD) <sup>[1]</sup> .
<b>In Vitro</b>	Maysin (2.5-15 μM; 24 h) shows insignificant cytotoxicity against SH-SY5Y cells at 2.5 μM and 5 μM <sup>[1]</sup> . Maysin (2.5-15 μM; 4 h) prevents Syn oligomers cytotoxicity by autophagy activation in SH-SY5Y cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Maysin (100 mg/kg high-maysin corn silk extract; p.o.; once daily for 4 weeks) shows no toxicity in rats <sup>[2]</sup> . Maysin (100 mg/kg high-maysin corn silk extract; p.o.; once daily for 4 weeks) inhibits mRNA expression of 5α-R2 and PCNA, decreases the concentrations of 5α-R2, DHT, and PSA in benign prostatic hyperplasia (BPH) model in rats <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Leri M, et al. Maysin plays a protective role against α-Synuclein oligomers cytotoxicity by triggering autophagy activation. *Food Chem Toxicol.* 2020 Oct;144:111626.
- [2]. Kim SR, et al. Corn silk extract improves benign prostatic hyperplasia in experimental rat model. *Nutr Res Pract.* 2017 Oct;11(5):373-380.

**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