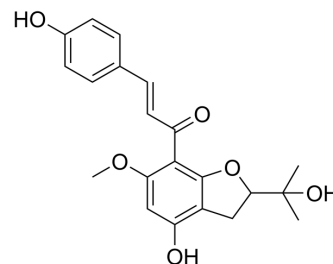


## Xanthohumol I

<b>Cat. No.:</b>	HY-N10917
<b>CAS No.:</b>	688360-06-7
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>22</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	370.4
<b>Target:</b>	Cholinesterase (ChE)
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Xanthohumol I, a chalcone, is a derivative of Xanthohumol (HY-N1067). Xanthohumol is a Cholinesterase (ChE) inhibitor, which inhibits acetylcholinesterase (AChE) and butyrylcholinesterase (BChE) with IC <sub>50</sub> s of 71.34 μM and 32.67 μM, respectively. The hydroxy compound of Xanthohumol (3-hydroxy-xanthohumol), also shows inhibitory effect on AChE and BChE with IC <sub>50</sub> s of 51.25 μM and 63.07 μM <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	AChE	BChE

### REFERENCES

[1]. Orhan IE, et al. Molecular modeling and in vitro approaches towards cholinesterase inhibitory effect of some natural xanthohumol, naringenin, and acyl phloroglucinol derivatives. *Phytomedicine*. 2018 Mar 15;42:25-33.

**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