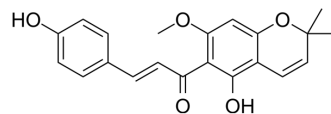


## Xanthohumol C

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-N11769  |
| CAS No.:           | 189299-05-6  |
| Molecular Formula: | C <sub>21</sub> H <sub>20</sub> O <sub>5</sub>   |
| Molecular Weight:  | 352.38   |
| Target:            | Others   |
| Pathway:           | Others   |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (283.78 mM)

\* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass      |            |            |
|---------------------------|-----------------------|-----------|------------|------------|
|                           |                       | 1 mg      | 5 mg       | 10 mg      |
|                           | 1 mM                  | 2.8378 mL | 14.1892 mL | 28.3785 mL |
|                           | 5 mM                  | 0.5676 mL | 2.8378 mL  | 5.6757 mL  |
|                           | 10 mM                 | 0.2838 mL | 1.4189 mL  | 2.8378 mL  |

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

#### In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.17 mg/mL (6.16 mM); Suspended solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Xanthohumol C is a prenylchalcone, that can be isolated from the hops of *Humulus lupulus*<sup>[1]</sup>.

### REFERENCES

[1]. Wang WS, et al. New prenylchalcones from the hops of *Humulus lupulus*. J Asian Nat Prod Res. 2008 May-Jun;10(5-6):485-90.

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

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