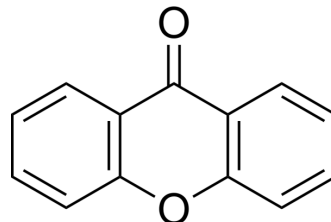


## Xanthone

|                    |   |       |         |
|--------------------|---|-------|---------|
| Cat. No.:          | HY-N0126                                      |       |         |
| CAS No.:           | 90-47-1                                       |       |         |
| Molecular Formula: | C <sub>13</sub> H <sub>8</sub> O <sub>2</sub> |       |         |
| Molecular Weight:  | 196.2   |       |         |
| Target:            | Apoptosis; Bacterial; Influenza Virus; Fungal |       |         |
| Pathway:           | Apoptosis; Anti-infection                     |       |         |
| Storage:           | Powder  | -20°C | 3 years |
|                    |   | 4°C   | 2 years |
|                    | In solvent                                    | -80°C | 2 years |
|                    |   | -20°C | 1 year  |



### SOLVENT & SOLUBILITY

|   |   |                          |            |            |
|---|---|--------------------------|------------|------------|
| In Vitro  | DMSO : 10 mg/mL (50.97 mM; Need ultrasonic)   |                          |            |            |
|   |   | Solvent<br>Concentration | Mass       |            |
|   |   |                          | 1 mg       | 5 mg       |
|   |   |                          | 10 mg      |            |
| Preparing Stock Solutions   | 1 mM  | 5.0968 mL                | 25.4842 mL | 50.9684 mL |
|   | 5 mM  | 1.0194 mL                | 5.0968 mL  | 10.1937 mL |
|   | 10 mM   | 0.5097 mL                | 2.5484 mL  | 5.0968 mL  |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |            |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 1 mg/mL (5.10 mM); Clear solution |                          |            |            |

### BIOLOGICAL ACTIVITY

|             |  |
|-------------|--|
| Description | Xanthone is isolated from Mangosteen and is known to control cell division and growth, apoptosis, inflammation, and metastasis in different stages of carcinogenesis. Xanthone has anti-oxidant, anti-tumor, anti-allergic, anti-inflammatory, anti-bacterial, anti-fungal, and anti-viral activities <sup>[1]</sup> . |
|-------------|--|

### CUSTOMER VALIDATION

- Cell Metab. 2022 Feb 7;34(3):424-440.e7.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

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[1]. Shan T, et al. Xanthonenes from mangosteen extracts as natural chemopreventive agents: potential anticancer drugs. *Curr Mol Med*. 2011 Nov;11(8):666-77.

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**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](mailto:tech@MedChemExpress.com)

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