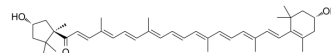


## Capsanthin

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-125711  |
| CAS No.:           | 465-42-9   |
| Molecular Formula: | C <sub>40</sub> H <sub>56</sub> O <sub>3</sub>   |
| Molecular Weight:  | 584.87   |
| Target:            | ROS Kinase   |
| Pathway:           | Protein Tyrosine Kinase/RTK  |
| Storage:           | -20°C, protect from light, stored under nitrogen<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen) |



### BIOLOGICAL ACTIVITY

#### Description

Capsanthin is a carotenoid that has been found in *C. annuum*. Capsanthin has antioxidant<sup>[1]</sup>, antitumor<sup>[2]</sup> and anti-inflammatory<sup>[3]</sup> effects.

### REFERENCES

- [1]. Kim JS, et al. Red paprika (*Capsicum annuum* L.) and its main carotenoids, capsanthin and  $\beta$ -carotene, prevent hydrogen peroxide-induced inhibition of gap-junction intercellular communication. *Chem Biol Interact.* 2016 Jul 25;254:146-55.
- [2]. Narisawa T, et al. Prevention of N-methylnitrosourea-induced colon carcinogenesis in rats by oxygenated carotenoid capsanthin and capsanthin-rich paprika juice. *Proc Soc Exp Biol Med.* 2000 Jun;224(2):116-22.
- [3]. Horie S, et al. Purified canola lutein selectively inhibits specific isoforms of mammalian DNA polymerases and reduces inflammatory response. *Lipids.* 2010 Aug;45(8):713-21.

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

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