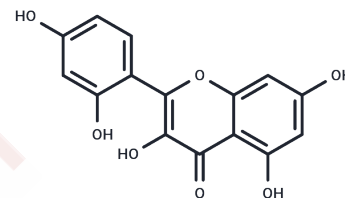


## Morin

## Chemical Properties

CAS No. :	480-16-0
Formula:	C <sub>15</sub> H <sub>10</sub> O <sub>7</sub>
Molecular Weight:	302.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Morin (Calico Yellow) was found to be a weak inhibitor of fatty acid synthase (IC <sub>50</sub> : 2.33 μM). Morin is a yellow color substance that can be isolated from <i>Maclura pomifera</i> (Osage orange), <i>Maclura tinctoria</i> (old fustic) and from leaves of <i>Psidium guajava</i> (common guava).
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 50 mg/mL (165.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3086 mL	16.5431 mL	33.0863 mL
5 mM	0.6617 mL	3.3086 mL	6.6173 mL
10 mM	0.3309 mL	1.6543 mL	3.3086 mL
50 mM	0.0662 mL	0.3309 mL	0.6617 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Tian, WX. Current Medicinal Chemistry, 2006, 13 (8): 967-977.

Yang Y, Liu M, Wang K, et al. Chemical and cytological evaluation of honeybee pollen antioxidant ability. Journal of Food Science. 2020, 85(3): 824-833.

Yang Y, Liu M, Wang K, et al. Chemical and cytological evaluation of honeybee pollen antioxidant ability[J]. Journal of Food Science. 2020, 85(3): 824-833.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286    E\_mail:info@targetmol.com    Address:36 Washington Street,Wellesley Hills,MA 02481