

## Product Data Sheet

Product Name: Chalcone

Cat. No.: GC63826

### Chemical Properties

Cas. No. 94-41-7

Formula C<sub>15</sub>H<sub>12</sub>O

M.Wt 208.26

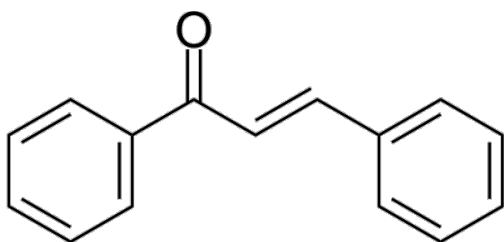
Solubility DMSO : 100 mg/mL (480.17 mM;  
Need ultrasonic)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

Chalcone is isolated from Glycyrrhizae inflata and used to synthesize chalcone derivatives. Chalcone derivatives possess varied biological and pharmacological activity, including anti-inflammatory, antioxidative, antibacterial, anticancer, and anti-parasitic activities[1].

Chalcone derivatives are synthesized by Claisen-Schmidt base-catalyzed condensation of appropriate aromatic ketones or substituted aromatic ketones with benzaldehydes or substituted benzaldehydes[1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

## Product Data Sheet

---

[1]. Shailendra Mandge, et al. Synthesis and Characterization of Some Chalcone Derivatives. Trends in Applied Sciences Research Volume 2 (1): 52-56, 2007

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

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: [tech@glpbio.com](mailto:tech@glpbio.com)***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***