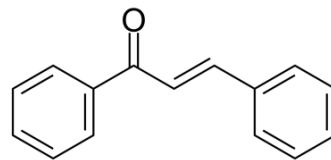


## Chalcone

Cat. No.:	HY-121054
CAS No.:	94-41-7
Molecular Formula:	C <sub>15</sub> H <sub>12</sub> O
Molecular Weight:	208.26
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

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<sup>[1]</sup>.

#### In Vitro

Chalcone derivatives are synthesized by Claisen-Schmidt base-catalyzed condensation of appropriate aromatic ketones or substituted aromatic ketones with benzaldehydes or substituted benzaldehydes<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[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.**

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