



Product Information

Product ID C2800
CAS No. 94-41-7
Chemical Name 1,3-Diphenyl-2-propen-1-one

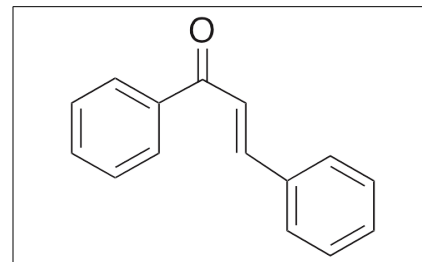
Synonym Chalkone, trans-Benzylideneacetophenone

Formula C₁₅H₁₂O
Formula Wt. 208.26
Melting Point 54-57 °C
Purity ≥97%
Solubility Insoluble in water. Slightly soluble in ethanol.

Store Temp Ambient

Ship Temp Ambient

Description Chalcone is an enone on which a variety of structures are based. Chalcone derivatives typically exhibit anti-inflammatory, antioxidative, neuroprotective, analgesic, anticancer, and anti-parasitic activities.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C2800	25 g	\$58.50
C2800	100 g	\$142.80
C2800	500 g	\$376.40

References Wu JZ, Cheng CC, Shen LL, et al. Synthetic Chalcones with Potent Antioxidant Ability on H₂O₂-Induced Apoptosis in PC12 Cells. *Int J Mol Sci.* 2014 Oct 14;15(10):18525-18539. PMID: 25318055.

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Abdellatif KR, Elshemy HA, Salama SA, et al. Synthesis, characterization and biological evaluation of novel 4'-fluoro-2'-hydroxy-chalcone derivatives as antioxidant, anti-inflammatory and analgesic agents. *J Enzyme Inhib Med Chem.* 2014 Sep 8;1-8. PMID: 25198887.

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Shivhare R, Korthikunta V, Chandasana H, et al. Synthesis, structure-activity relationships, and biological studies of chromenochalcones as potential antileishmanial agents. *J Med Chem.* 2014 Apr 24;57(8):3342-57. PMID: 24635539.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.