



Product Information

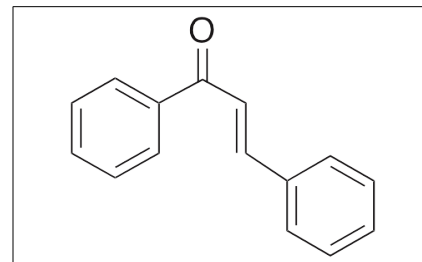
Product ID C2800
CAS No. 94-41-7
Chemical Name 1,3-Diphenyl-2-propen-1-one

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	\$49.50
C2800	100 g	\$115.30
C2800	500 g	\$330.80

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.

Jantan I, Bukhari SN, Adekoya OA, et al. Studies of synthetic chalcone derivatives as potential inhibitors of secretory phospholipase A₂, cyclooxygenases, lipoxygenase and pro-inflammatory cytokines. *Drug Des Devel Ther.* 2014 Sep 16;8:1405-18. PMID: 25258510.

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.

Karthikeyan C, Narayana Moorthy NS, Ramasamy S, et al. Advances in Chalcones with Anticancer Activities. *Recent Pat Anticancer Drug Discov.* 2014 Aug 19. [Epub ahead of print]. PMID: 25138130.

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.