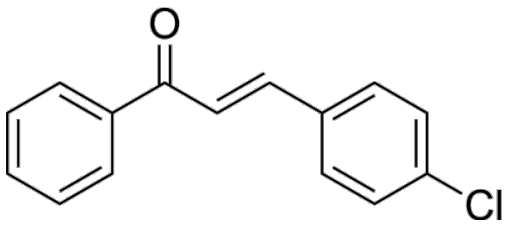
Product Data Sheet

Product Name: 4-Chlorochalcone
Cat. No.: GC79785

Chemical Properties

Cas. No.	956-04-7		
Formula	$C_{15}H_{11}ClO$	M.Wt	242.7
Solubility		Storage	Store at room temperature
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

4-Chlorochalcone (Compound 3) is a monoamine oxidase inhibitor (hMAO-B: IC_{50} = 0.082 μM, hMAO-A: IC_{50} = 9.95 μM). 4-Chlorochalcone also exhibits inhibitory activity against cholinesterase (AChE: IC_{50} = 2.79 μM). 4-Chlorochalcone is a chalcone derivative [1].

References:
[1]. Oh JM, et al. Potent and selective inhibition of human monoamine oxidase-B by 4-dimethylaminochalcone and selected chalcone derivatives. Int J Biol Macromol. 2019 Sep

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