

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

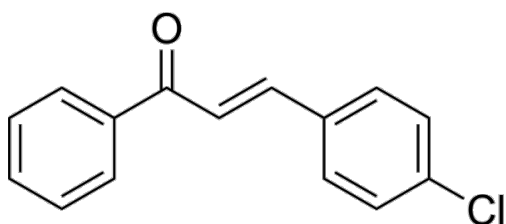
Solubility

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: $IC_{50} = 0.082 \mu M$, hMAO-A: $IC_{50} = 9.95 \mu M$). 4-Chlorochalcone also exhibits inhibitory activity against cholinesterase (AChE: $IC_{50} = 2.79 \mu M$). 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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