

Product Data Sheet

Product Name: (E)-Cardamonin

Cat. No.: GC26255

Chemical Properties

Cas. No. 18956-16-6

Formula $C_{16}H_{14}O_4$ M.Wt 270.28

Solubility DMSO : 125 mg/mL (462.48 mM; Storage Store at -20°C, protect from light
Need ultrasonic)

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.

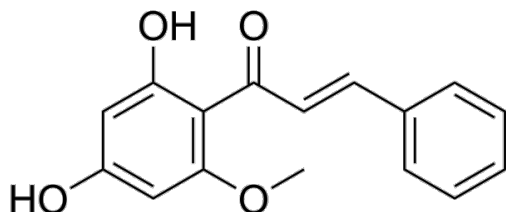
Caution: Product has not been fully validated for medical applications. For research use only.

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Structure



Background

Cardamonin can be found from cardamom, and target various signaling molecules, transcriptional factors, cytokines and enzymes. Cardamonin can inhibit mTOR, NF-κB, Akt, STAT3, Wnt/β-catenin and COX-2. Cardamonin shows anticancer, anti-inflammatory, antimicrobial and antidiabetic activities[1][2].

References:

- [1]. Javaria Nawaz, et al. Cardamonin: A new player to fight cancer via multiple cancer signaling pathways. Life Sci. 2020 Jun 1;250:117591.
- [2]. Kai Wang, et al. Cardamonin, a natural flavone, alleviates inflammatory bowel disease by the inhibition of NLRP3 inflammasome activation via an AhR/Nrf2/NQO1 pathway. Biochem Pharmacol. 2018 Sep;155:494-509.

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