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## Product Data Sheet

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Product Name: Cnidicin  
Cat. No.: GC35718

### Chemical Properties

Cas. No. 14348-21-1

SMILES O=C1C=CC2=C(OC/C=C(C)/C)C3=C(OC=C3)C(OC/C=C(C)/C)=C2O1

Formula C21H22O5 M.Wt 354.4

Solubility DMSO : 100 mg/mL (282.17 mM; Need ultrasonic) Storage Store at -20°C

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

Cnidicin is a coumarin from the root of *Angelica koreana*, and inhibits the degranulation of mast cell and the nitric oxide (NO) generation in RAW 264.7 cells[1].

Cnidicin shows a significant inhibition upon the release of beta-hexosaminidase from the cultured RBL-2H3 cells in a dose dependent manner (IC<sub>50</sub>= 25 μM) and upon the nitric oxide production from the activated RAW264.7 cells (IC<sub>50</sub>=7.5 μM)[1].

[1]. Ryu SY, et al. Cnidicin, a coumarin, from the root of *Angelica koreana*, inhibits the degranulation of mast cell and the NO generation in RAW 264.7 cells. *Planta Med.* 2001 Mar;67(2):172-4.

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

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