



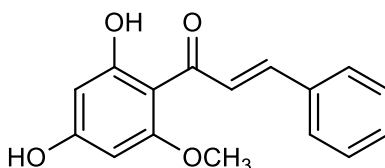
Catalog # 10-2754

Cardamonin

19309-14-9

(2E)-1-(2,4-Dihydroxy-6-methoxyphenyl)-3-phenyl-2-propen-1-one

Lot # X106815



Inhibits NF- κ B activation via inhibition of I κ B α degradation and phosphorylation, I κ B kinase activation and NF- κ B nuclear translocation^{1,2}. Displays anti-inflammatory activity in various models³. Cell permeable.

- 1) Lee *et al.* (2006), *Blockade of nuclear factor-kappaB signaling pathway and anti-inflammatory activity of cardamomin, a chalcone analog from Alpinia conchigera*; J. Pharmacol. Exp. Ther., **316** 271
- 2) Israf *et al.* (2007), *Cardamonin inhibits COX and iNOS expression via inhibition of p65NF-kappaB nuclear translocation and I kappa-B phosphorylation in RAW 264.7 macrophage cells*; Mol. Immunol., **44** 673
- 3) Ahmad *et al.* (2006), *Cardamonin, inhibits pro-inflammatory mediators in activated RAW 264.7 cells and whole blood*; Eur. Pharmacol. Exp. Ther., **538** 188

PHYSICAL DATA

Molecular Weight:	270.29
Molecular Formula:	C ₁₆ H ₁₄ O ₄
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml), Ethanol (up to 5 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 weeks.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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