

## Product Data Sheet

Product Name: Sphondin

Cat. No.: GC60345

### Chemical Properties

Cas. No. 483-66-9

SMILES O=C1C=CC2=C(C3=C(OC=C3)C(OC)=C2)O1

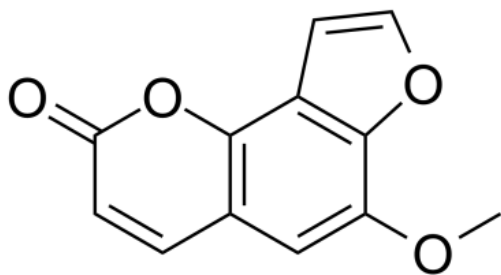
Formula  $C_{12}H_8O_4$  M.Wt 216.19

Solubility DMSO : 25 mg/mL (115.64 mM; ultrasonic and warming and heat to 60°C) Storage Store at 2-8°C, protect from light

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

Sphondin, isolated from *Heracleum laciniatum*, possesses an inhibitory effect on IL-1 $\beta$ -induced increase in the level of COX-2 protein and PGE2 release in A549 cells[1].

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

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Pretreatment of A549 cells with Sphondin (10-50  $\mu$ M) concentration-dependently attenuates IL-1 $\beta$ -induced COX-2 protein expression and PGE2 release[1].

[1]. Ling Ling Yang, et al. Effects of Sphondin, Isolated From Heracleum Laciniatum, on IL-1 $\beta$ -induced cyclooxygenase-2 Expression in Human Pulmonary Epithelial Cells. Life Sci. 2002 Nov 29;72(2):199-213.

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