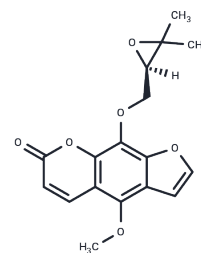


## Byakangelicol

## Chemical Properties

CAS No. :	26091-79-2
Formula:	C <sub>17</sub> H <sub>16</sub> O <sub>6</sub>
Molecular Weight:	316.31
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	1. Byakangelicol may inhibit P-gp expressed at the BBB even under in vivo conditions. 2. Byakangelicol can inhibit IL-1beta-induced PGE2 release in A549 cells; this inhibition may be mediated by suppression of COX-2 expression and the activity of COX-2 enzyme, thus it may have therapeutic potential as an anti-inflammatory drug on airway inflammation.
Targets(IC50)	COX

## Solubility Information

Solubility	DMSO: 55 mg/mL (173.88 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1615 mL	15.8073 mL	31.6146 mL
5 mM	0.6323 mL	3.1615 mL	6.3229 mL
10 mM	0.3161 mL	1.5807 mL	3.1615 mL
50 mM	0.0632 mL	0.3161 mL	0.6323 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lin C H , Chang C W , Wang C C , et al. Byakangelicol, isolated from *Angelica dahurica*, inhibits both the activity and induction of cyclooxygenase-2 in human pulmonary epithelial cells[J]. *Journal of Pharmacy & Pharmacology*, 2010, 54(9):1271-1278.

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