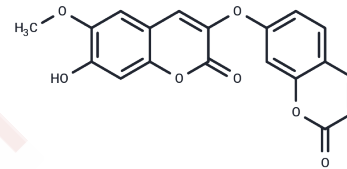


## Daphnoretin

## Chemical Properties

CAS No. :	2034-69-7
Formula:	C <sub>19</sub> H <sub>12</sub> O <sub>7</sub>
Molecular Weight:	352.29
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	1. Daphnoretin (Thymelol) has strong antiviral activity, mainly on the later phase of the replication cycle. 2. Daphnoretin has anticancer effects on leukemia, osteosarcoma and uterine cervix cancer cells, might through promoting apoptosis in a mitochondria-mediated way. 3. Daphnoretin causes death of HOS cells by blocking cells successively in G2/M phases and activating the caspase-3 pathway.
Targets(IC50)	Caspase, Influenza Virus, PKC

## Solubility Information

Solubility	DMSO: 62.5 mg/mL (177.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8386 mL	14.1929 mL	28.3857 mL
5 mM	0.5677 mL	2.8386 mL	5.6771 mL
10 mM	0.2839 mL	1.4193 mL	2.8386 mL
50 mM	0.0568 mL	0.2839 mL	0.5677 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

Jiang H , Wu Z , Bai X , et al. Effect of daphnoretin on the proliferation and apoptosis of A549 lung cancer cells in vitro[J]. Oncology Letters, 2014, 8(3):1139---1142.

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