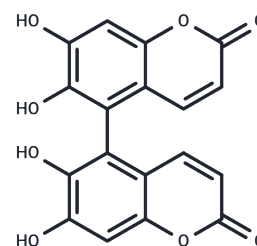


## Euphorbetin

## Chemical Properties

CAS No. :	35897-99-5
Formula:	C <sub>18</sub> H <sub>10</sub> O <sub>8</sub>
Molecular Weight:	354.27
Storage:	Keep away from direct sunlight 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	Euphorbetin is a bioactive compound isolated from the ethyl acetate extract of dried <i>Viola yedoensis</i> Makino, demonstrating anticoagulant properties. Euphorbetin has highly selective antiproliferative activity toward colon cancer cell lines including T84 and HCT-15 as well as glioblastoma multiforme cells. Euphorbetin induces cell death by activating caspases-9, -3, and -8, while promoting autophagy, reducing cancer cell migration, and exerting antiangiogenic effects on human umbilical vein endothelial cells, indicating robust multimodal anticancer potential.
Targets(IC50)	Caspase

## Solubility Information

Solubility	DMSO: 5 mg/mL (14.11 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8227 mL	14.1135 mL	28.2271 mL
5 mM	0.5645 mL	2.8227 mL	5.6454 mL
10 mM	0.2823 mL	1.4114 mL	2.8227 mL
50 mM	0.0565 mL	0.2823 mL	0.5645 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

Hai Yan Zhou, et al. A new dicoumarin and anticoagulant activity from *Viola yedoensis* Makino. *Fitoterapia*. 2009 Jul;80(5):283-5.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481