

## Casegravol

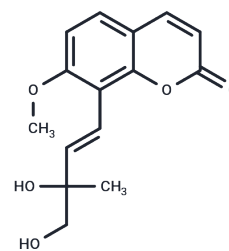
## Chemical Properties

CAS No. : 74474-76-3

Formula: C<sub>15</sub>H<sub>16</sub>O<sub>5</sub>

Molecular Weight: 276.28

Storage: Store at low temperature, Keep away from direct sunlight  
 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	Casegravol is a new monomeric coumarin isolated from the bark of <i>Casearia graveolens</i> Dalz with antiproliferative activity and can be used in the study of gastric adenocarcinoma and uterine cancer.
Targets(IC50)	Others
In vitro	MeOH extracts of the ground part and root of <i>Boenninghausenia japonica</i> NAKAI have an inhibitory effect on the growth of tumor cells, with casegravol (MK-1) having GI50 of 33μM, 36μM, and 27μM for human uterine cancer (HeLa) and mouse melanoma (B16F10) cells, respectively. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6195 mL	18.0976 mL	36.1952 mL
5 mM	0.7239 mL	3.6195 mL	7.239 mL
10 mM	0.362 mL	1.8098 mL	3.6195 mL
50 mM	0.0724 mL	0.362 mL	0.7239 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

Chaya N, et al. Antiproliferative constituents in plants 14. Coumarins and acridone alkaloids from *Boenninghausenia japonica* NAKAI. *Biol Pharm Bull.* 2004 Aug;27(8):1312-6.

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