

## Sanggenol L

## Chemical Properties

CAS No. : 329319-20-2

Formula: C<sub>25</sub>H<sub>26</sub>O<sub>6</sub>

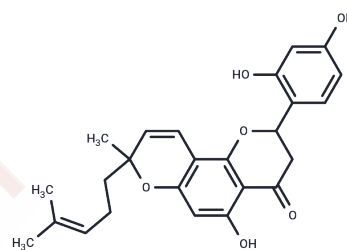
Molecular Weight: 422.47

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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	Sanggenol L, a compound from the root bark of <i>Morus alba</i> , inhibits cell growth and promotes apoptotic cell death in melanoma skin cancer cells through activation of the cysteinyl asparaginase cascade and apoptosis-inducing factors. Sanggenol L has anticancer activity and antiproliferative effects and is used in the study of prostate cancer.
Targets(IC50)	Apoptosis, MDM-2/p53
In vitro	Sanggenol L treatment significantly inhibits cell growth and colony formation in B16, SK-MEL-2, and SK-MEL-28 melanoma skin cancer cells, while HaCaT human keratinocytes are not affected by Sanggenol L treatment[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.367 mL	11.8352 mL	23.6703 mL
5 mM	0.4734 mL	2.367 mL	4.7341 mL
10 mM	0.2367 mL	1.1835 mL	2.367 mL
50 mM	0.0473 mL	0.2367 mL	0.4734 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

Won YS, et al. Sanggenol L promotes apoptotic cell death in melanoma skin cancer cells through activation of caspase cascades and apoptosis-inducing factor. *Food Chem Toxicol.* 2020;138:111221.

Won YS, et al. Sanggenol L Induces Apoptosis and Cell Cycle Arrest via Activation of p53 and Suppression of PI3K/Akt/mTOR Signaling in Human Prostate Cancer Cells. *Nutrients.* 2020;12(2):488. Published 2020 Feb 14.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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