



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

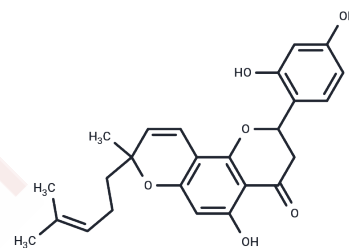
[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## 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                                                                                                                                        |
| Appearance:       | no data available                                                                                                                             |
| Storage:          | store at low temperature, keep away from direct sunlight, keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## 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(IC <sub>50</sub> ) | Apoptosis                                                                                                                                                                                                                                                                                                                                                      |
| 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.

## 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.

**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: 36 Washington Street, Wellesley Hills, MA 02481