



# 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

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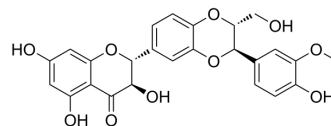
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## Silybin A (Standard)

Cat. No.:	HY-13748R
CAS No.:	22888-70-6
Molecular Formula:	C <sub>25</sub> H <sub>22</sub> O <sub>10</sub>
Molecular Weight:	482.44
Target:	Autophagy; Reactive Oxygen Species
Pathway:	Autophagy; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Silybin A (Standard) is the analytical standard of Silybin A. This product is intended for research and analytical applications. Silybin A (Silibinin A), an effective anti-cancer and chemopreventive agent, has been shown to exert multiple effects on cancer cells, including inhibition of both cell proliferation and migration.

### REFERENCES

- [1]. Woo SM, et al. Silibinin induces apoptosis of HT29 colon carcinoma cells through early growth response-1 (EGR-1)-mediated non-steroidal anti-inflammatory drug-activated gene-1 (NAG-1) up-regulation. *Chem Biol Interact.* 2014 Jan 16;211C:36-43.
- [2]. Kim TH, et al. Silibinin induces cell death through ROS-dependent down-regulation of Notch-1/ERK/Akt signaling in human breast cancer cells. *J Pharmacol Exp Ther.* 2014 Jan 28.
- [3]. Zhang S, et al. Silybin-mediated inhibition of Notch signaling exerts antitumor activity in human hepatocellular carcinoma cells. *PLoS One.* 2013 Dec 27;8(12):e83699.
- [4]. Khan AQ, et al. Silibinin Inhibits Tumor Promotional Triggers and Tumorigenesis Against Chemically Induced Two-Stage Skin Carcinogenesis in Swiss Albino Mice: Possible Role of Oxidative Stress and Inflammation. *Nutr Cancer.* 2013 Dec 23.
- [5]. Khazim K, et al. The antioxidant silybin prevents high glucose-induced oxidative stress and podocyte injury in vitro and in vivo. *Am J Physiol Renal Physiol.* 2013 Sep 1;305(5):F691-700.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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