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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

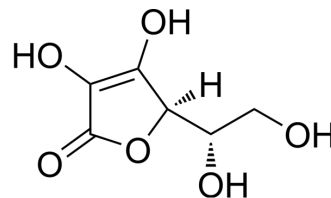
mail@szabo-scandic.com

www.szabo-scandic.com

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

L-Ascorbic acid (GMP Like) (Standard)

Cat. No.:	HY-B0166GLR
CAS No.:	50-81-7
Molecular Formula:	C ₆ H ₈ O ₆
Molecular Weight:	176.12
Target:	Reactive Oxygen Species; Apoptosis; Calcium Channel; Endogenous Metabolite
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis; Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

L-Ascorbic acid (GMP Like) (Standard) is the analytical standard of L-Ascorbic acid (GMP Like). This product is intended for research and analytical applications. L-Ascorbic acid (GMP Like) is the GMP Like class L-Ascorbic acid (HY-B0166). L-Ascorbic acid (L-Ascorbate, Vitamin C), an electron donor, is an endogenous antioxidant agent. L-Ascorbic acid inhibits selectively Ca_v3.2 channels with an IC₅₀ of 6.5 μM. L-Ascorbic acid is also a collagen deposition enhancer and an elastogenesis inhibitor^[1] [2][3]. L-Ascorbic acid exhibits anti-cancer effects through the generation of reactive oxygen species (ROS) and selective damage to cancer cells^[4].

REFERENCES

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- [3]. Sungrae Cho, et al. Hormetic dose response to L-ascorbic acid as an anti-cancer drug in colorectal cancer cell lines according to SVCT-2 expression. *Sci Rep.* 2018 Jul 27;8(1):11372.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA