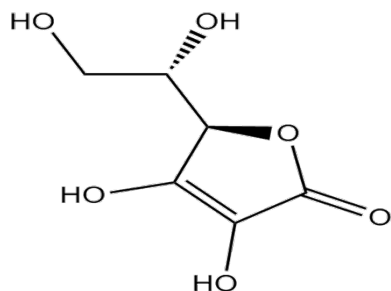


L-Ascorbic acid (CAS: 50-81-7)**Catalog #: EBC51132****Biological Activity**

Synonyms	L(+)-Ascorbic acid, L-Ascorbate
Chemical Name	(2R)-2-[(1S)-1,2-Dihydroxyethyl]-3,4-dihydroxy-2H-furan-5-one
Application	L-Ascorbic acid is a naturally occurring organic compound with antioxidant properties
CAS No.	50-81-7
Purity	≥99.0%
Molecular Weight	176.12
Molecular Formula	C ₆ H ₈ O ₆
Shipping	Gel Pack
Storage	Store at -20° C
Target & IC₅₀	Cav3.2 channels: IC ₅₀ = 6.5 μM

Molecular Structure**Solubility**

DMSO: 35mg/mL (198.73mM)

Water: 35mg/mL (198.73mM)

PS: < 1 mg/ml refers to the product insoluble**Description**

L-Ascorbic acid is also known as vitamin C, L-Ascorbic Acid, Free Acid protects cells against the damaging effects of radiation and oxygen radicals. L-Ascorbic Acid increases the rate of mineralization in osteoblasts, is involved in hydroxylation of proline and lysine, reduces Na⁺/Ca²⁺ exchange in cultured astrocytes and modulates cyclic nucleotide levels in B and T cells inhibits apoptosis in cultured rat ovarian follicles. Shown to inhibit T-type Ca⁺⁺ CP α 1H. It can serve as an electron donor and powerful antioxidant. It is reported to be useful in enhancing the generation of human and mouse chemically induced PSCs and enhances the differentiation of embryonic stem cells into cardiac myocytes.

For Reserch Use Only. Not For Use In Diagnostic Procedures

EbioCell Lifesciences, Inc.
Imperial Business Park 4819 Emperor Boulevard,
Suite 408 Durham, NC 27703, USA

Order: order@ebiocell.com
TEL: (540)808-3925
Supprt: tech@ebiocell.com