

L-Ascorbic acid, free acid

Cat. No. COEC-064

Lot. No. (See product label)

Introduction

Description 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.

Applications Also known as vitamin C

Synonyms Vitamin C

Product Information

Form Solid

CAS No. 50-81-7

Molecular Formula C₆H₈O₆

Molecular Weight 176.12

Purity ≥98%

Melting Point 191° C (dec.)

Boiling Point ~415.83° C at 760 mmHg (Predicted)

Solubility Soluble in water (333 g/l) at 20° C, methanol, and DMSO.