

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 $\text{Na}^+/\text{Ca}^{2+}$ 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^{++} $\text{CP} \propto 1\text{H}$.

Applications

Also known as vitamin C

Synonyms

Vitamin C

Product Information

Form

Solid

CAS No.

50-81-7

Molecular Formula

$\text{C}_6\text{H}_8\text{O}_6$

Molecular Weight

176.12

Purity

$\geq 98\%$

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.