Creative Enzymes®

L-Ascorbic acid, cell culture

Cat. No. COEC-103

Lot. No. (See product label)

Introduction

Description	L-Ascorbic Acid protects cells against the damaging effects of radiation and oxygen radicals. L-Ascorbic Acid increases the rate of mineralization in osteoblasts. L-Ascorbic Acid is involved in hydroxylation of proline and lysine. L-Ascorbic Acid reduces Na+/Ca2+ exchange in cultured astrocytes. L-Ascorbic Acid modulates cyclic nucleotide levels in B and T cells inhibits apoptosis in cultured rat ovarian follicles. L-Ascorbic Acid, Free Acid is an inhibitor of T-type Ca++ CP α 1H.
Applications	A calcium channel protein inhibitor
Synonyms	Vitamin C; L-Threoascorbic acid; Antiscorbutic factor

Product Information

Appearance	Powder
Form	Solid
CAS No.	50-81-7
Molecular Formula	C6H8O6
Molecular Weight	176.12
Melting Point	190-194 °C (dec.)
Solubility	Soluble in water (10 mg/ml).
Refractive Index	1.68
Density	2.32 g/cm3 at 25° C (lit.)