L-Ascorbic Acid
Catalogue Number : 5088177

Product Information

Synonyms: Vitamin C, Ascorbate
Chemical Name: (2R)-2-[(1S)-1,2-dihydroxyethyl]-3,4-dihydroxy-2H-furan-5-one
Molecular Formula: C6H8O6
Molecular Weight: 176.1
CAS Number: 50-81-7
Purity: ≥95%
Applications: FA
Formulation: Crystalline solid
Storage: Product should be kept at -20°C.

Description
Ascorbic acid, vitamin C, is commonly produced in plants and many animals to the exclusion of humans and other primates. 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.

Preparation & Storage
Soluble in organic solvents such as DMF and DMSO. DMSO up to 55mM.

References