

MALONIC ACID



CAS Number: 141-82-2

Other Names: Propanedioic acid; Dicarboxymethane; Carboxyacetic acid

Formula: $C_3H_4O_4$

PRODUCT INTRODUCTION

Malonic acid is an alpha, omega-dicarboxylic acid in which the two carboxy groups are separated by a single methylene group. It is the second-smallest aliphatic dicarboxylic acid. Malonates are the ionized form of malonic acid, along with its esters and salts. It appears as a white crystal or crystalline powder. It dissolves in alcohol, pyridine, and ether.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Crystalline
Purity (%)	99.66
Melting Point (°C)	134.0-134.7
Loss of Drying (%)	0.21
Ash Content (%)	0.09
Ca, Mg (ppm)	Pass
Ni, Pb (ppm)	Pass

APPLICATIONS

- Malonic acid is used as a precursor in polymers and polyester.
- It is widely used in flavours as well as the fragrance industry.
- It is used to control the acidity.
- It is used in pharmaceutical products.
- It is used as a cross-linking agent between potato starch and cornstarch to enhance its mechanical properties.
- It is used in the preparation of barbituric salt.
- It is used in electroplating.
- It is used to produce vitamin B1, vitamin B6, vitamin B2, and amino acids.
- It is used in chemical synthesis as a building block

PACKAGING OPTIONS

Drums

To Get a Quote, Email On marketing@sanjaychemindia.com