

Product Name : Ethylmalonic acid

Synonyms : 2-Ethylmalonic acid;alpha-Carboxybutyrate

Cat No. : M20008

CAS Number : 601-75-2

Molecular Formula : C₅H₈O₄

Formula Weight : 132.11

Chemical Name : —

Description : Ethylmalonic acid can be found in blood cerebrospinal fluid (CSF) and urine as well as in human fibroblasts prostate and skeletal muscle tissues. Moreover ethylmalonic acid is found to be associated with anorexia nervosa and malonyl-CoA decarboxylase deficiency. Ethylmalonic acid is a non-carcinogenic potentially toxic compound. Chronically high levels of ethylmalonic acid are associated with at least two inborn errors of metabolism including short chain acyl CoA dehydrogenase deficiency (SCAD deficiency) and ethylmalonic encephalopathy.

Pathway : Others

Target : Other Targets

Receptor : Others

Solubility : H₂O:10 mM

SMILES : CCC(C(=O)=O)C(=O)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Sreekumar A et al. Metabolomic profiles delineate potential role for sarcosine in prostate cancer progression. Nature. 2009 Feb 12;457(7231):910-4.