

Product Data Sheet

Product Name: Ethylmalonic acid

Cat. No.: GC33748

Chemical Properties

Cas. No. 601-75-2

SMILES O=C(O)C(CC)C(O)=O

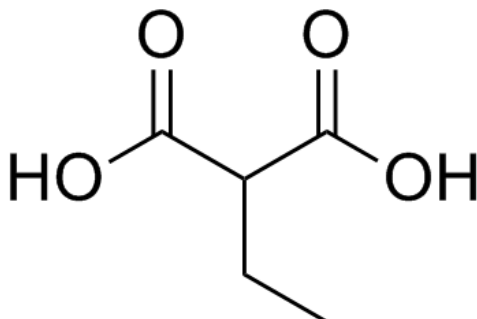
Formula C5H8O4 M.Wt 132.11

Solubility DMSO : 250 mg/mL (1892.36 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Ethylmalonic acid is non-carcinogenic potentially toxic and associated with anorexia nervosa and malonyl-CoA decarboxylase deficiency.

[1]. Gregersen N, et al. General (medium-chain) acyl-CoA dehydrogenase deficiency (non-ketotic dicarboxylic aciduria): quantitative urinary excretion pattern of 23 biologically significant organic acids in three cases. Clin Chim Acta. 1983 Aug 15;132(2):181-91. [2]. Yano S, et al. A new case of malonyl

Caution: Product has not been fully validated for medical applications. For research use only.

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coenzyme A decarboxylase deficiency presenting with cardiomyopathy. Eur J Pediatr. 1997 May;156(5):382-3.

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