

Product Data Sheet

Product Name: Dimethylmalonic acid

Cat. No.: GC60779

Chemical Properties

Cas. No. 595-46-0

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

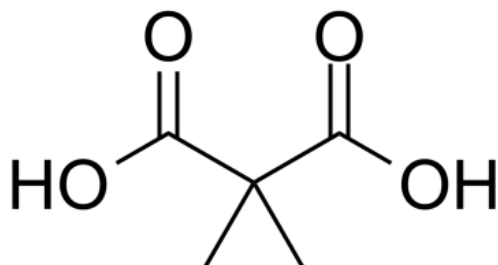
Formula C5H8O4 M.Wt 132.11

Solubility DMSO : 100 mg/mL (756.94 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

Dimethylmalonic acid is a short-chain dicarboxylic acid in human serum. Dimethylmalonic acid is also a volatile organic compound detected in alveolar breath[1].

[1]. David A. Evans, et al. An Improved Procedure for the Preparation of 2,2-Bis[2-[4(S)- tert-butyl-

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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1,3-oxazolinyll]]propane [(S,S)-tert-Butylbis(oxazoline)] and Derived Copper(II) Complexes. J. Org. Chem. 1998, 63, 13, 4541-4544.

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