
Product Data Sheet

Product Name: DL-Glutamic acid

Cat. No.: GC61703

Chemical Properties

Cas. No. 617-65-2

SMILES NC(CCC(O)=O)C(O)=O

Formula $C_5H_9NO_4$

M.Wt 147.13

Solubility DMSO : 1 mg/mL (6.80 mM; ultrasonic and warming and heat to 60°C)

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

DL-Glutamic acid is the conjugate acid of Glutamic acid, which acts as a fundamental metabolite. Comparing with the second phase of polymorphs α and β L-Glutamic acid, DL-Glutamic acid presents better stability[1].

[1]. F M S Victor, et al. Pressure-induced phase transitions in DL-glutamic acid monohydrate crystal. Spectrochim Acta A Mol Biomol Spectrosc. 2020 Apr 5;230:118059.

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