

Product Data Sheet

Product Name: D-Pyrohomo-glutamic Acid

Cat. No.: GC47271

Chemical Properties

Cas. No. 72002-30-3

SMILES OC([C@@H]1NC(CCC1)=O)=O

Formula C₆H₉NO₃

M.Wt 143.1

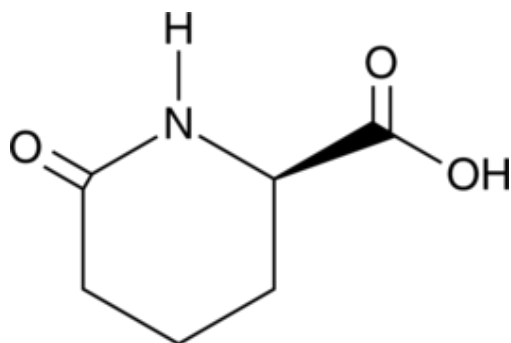
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml, PBS (pH 7.2): 10 mg/ml

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

D-Pyrohomo-glutamic acid is a building block.¹ It has been used in the synthesis of immunoproteasome low molecular mass polypeptide 2 (LMP2) subunit inhibitors and is a component of substance P peptide analogs.^{1,2}

1. Johnson, H.W.B., Anderl, J.L., Bradley, E.K., et al. Discovery of highly selective inhibitors of the immunoproteasome low molecular mass polypeptide 2 (LMP2) subunit. *ACS Med. Chem. Lett.* 8(4)413-417 (2017)

2. Hashimoto, T., Uchida, Y., Nishijima, M., et al. Syntheses and biological

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

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activities of substance P analogs containing L- and D-homoglutamine and L- and D-pyrohomoglutamic acid at position 5 and 6B. Chem. Soc. Jpn.60(3)1207-1209(1987)

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