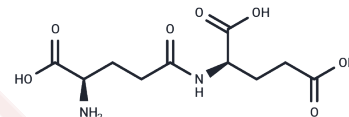


D-γ-Glutamyl-D-glutamic acid

Chemical Properties

CAS No. :	4553-17-7
Formula:	C ₁₀ H ₁₆ N ₂ O ₇
Molecular Weight:	276.24
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	D-γ-Glutamyl-D-glutamic acid is a linear poly(γ-glutamic acid) compound that is structurally composed of repeating units of D-glutamic acid linked in a γ-glutamyl configuration. D-γ-Glutamyl-D-glutamic acid forms polymeric clusters of repeating D-glutamic acid residues, making it relevant for biochemical and structural studies investigating polyglutamic acid sequences and their potential role in microbial cell wall composition and immunological recognition.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.620 mL	18.1002 mL	36.2004 mL
5 mM	0.724 mL	3.620 mL	7.2401 mL
10 mM	0.362 mL	1.810 mL	3.620 mL
50 mM	0.0724 mL	0.362 mL	0.724 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wang F, et al. Microstructure of poly(γ-glutamic acid) produced by *Bacillus subtilis* consisting of clusters of D- and L-glutamic acid repeating units. *J Agric Food Chem.* 2008 Jun 11;56(11):4225-8.

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