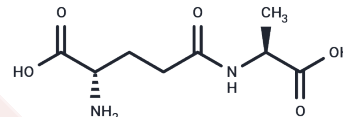


γ -L-Glutamyl-L-alanine

Chemical Properties

CAS No. : 5875-41-2
 Formula: C₈H₁₄N₂O₅
 Molecular Weight: 218.21
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	γ -L-Glutamyl-L-alanine, composed of gamma-glutamate and alanine, is the substrate of CRF21 [gamma-Glutamylcyclotransferase (GGCT)].
Targets(IC50)	Endogenous Metabolite, CaSR

Solubility Information

Solubility	H ₂ O: 50 mg/mL (229.14 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5827 mL	22.9137 mL	45.8274 mL
5 mM	0.9165 mL	4.5827 mL	9.1655 mL
10 mM	0.4583 mL	2.2914 mL	4.5827 mL
50 mM	0.0917 mL	0.4583 mL	0.9165 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

Ovchinnikova O G , Arbatsky N P , Chizhov A O , et al. Structure of a polysaccharide from *Providencia rustigianii* O11 containing a novel amide of 2-acetamido-2-deoxygalacturonic acid with L-glutamyl-L-alanine[J]. Carbohydr Res, 2012, 349(none):95-102.

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