

Ala-Glu-OH

Chemical Properties

CAS No. : 13187-90-1

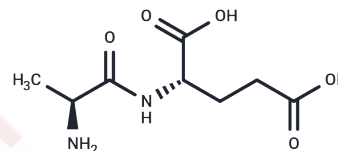
Formula: C₈H₁₄N₂O₅

Molecular Weight: 218.21

Keep away from moisture

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	Alanine glutamate is an agent of the dipeptide.
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Solubility Information

Solubility	DMSO: Soluble, (< 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

- Chang Z, Wang H, Li B, Liu Z, Zheng J. Metabolic Characterization of Peripheral Host Responses to Drainage-Resistant *Klebsiella pneumoniae* Liver Abscesses by Serum ¹H-NMR Spectroscopy. *Front Cell Infect Microbiol*. 2018 Jun 1;8:174. doi: 10.3389/fcimb.2018.00174. eCollection 2018. PubMed PMID: 29911073; PubMed Central PMCID: PMC5992471.
- Chan TS, Cassim S, Raymond VA, Gottschalk S, Merlen G, Zwingmann C, Lapierre P, Darby P, Mazer CD, Bilodeau M. Upregulation of Krebs cycle and anaerobic glycolysis activity early after onset of liver ischemia. *PLoS One*. 2018 Jun 14;13(6):e0199177. doi: 10.1371/journal.pone.0199177. eCollection 2018. PubMed PMID: 29902244.
- Dong L, Han X, Tao X, Xu L, Xu Y, Fang L, Yin L, Qi Y, Li H, Peng J. Protection by the Total Flavonoids from *Rosa laevigata* Michx Fruit against Lipopolysaccharide-Induced Liver Injury in Mice via Modulation of FXR Signaling. *Foods*. 2018 Jun 8;7(6). pii: E88. doi: 10.3390/foods7060088. PubMed PMID: 29890650.
- Ullah S, Li Z, Hasan Z, Khan SU, Fahad S. Malathion induced oxidative stress leads to histopathological and biochemical toxicity in the liver of rohu (*Labeo rohita*, Hamilton) at acute concentration. *Ecotoxicol Environ Saf*. 2018 Jun 7;161:270-280. doi: 10.1016/j.ecoenv.2018.06.002. [Epub ahead of print] PubMed PMID: 29886314.

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