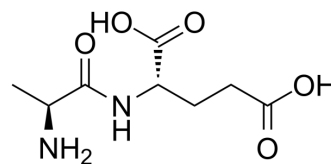


Ala-Glu-OH

| | |
|---------------------------|---|
| Cat. No.: | HY-139468 |
| CAS No.: | 13187-90-1 |
| Molecular Formula: | C ₈ H ₁₄ N ₂ O ₅ |
| Molecular Weight: | 218.21 |
| Target: | Others |
| Pathway: | Others |
| Storage: | Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year |



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

| | | | | | |
|---|---|--------------------------|--------------|------------|------------|
| In Vitro | H ₂ O : 250 mg/mL (1145.69 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 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 | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: PBS Solubility: 100 mg/mL (458.27 mM); Clear solution; Need ultrasonic | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Ala-Glu-OH is an agent of the dipeptide ^{[1][2]} . |
|--------------------|---|

REFERENCES

- [1]. Smid EJ, et al. Mechanism and energetics of dipeptide transport in membrane vesicles of *Lactococcus lactis*. *J Bacteriol.* 1989;171(1):292-298.
- [2]. Kim SJ, et al. Replacement of glutamine with the dipeptide derivative alanyl-glutamine enhances in vitro maturation of porcine oocytes and development of embryos. *Zygote.* 2014;22(2):286-289.

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

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