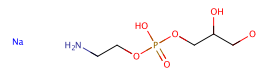


Glycerophosphorylethanolamine (sodium salt)

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 883288-78-6 |
| Formula: | C ₅ H ₁₃ NNaO ₆ P |
| Molecular Weight: | 237.12 |
| 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 | Glycerophosphorylethanolamine is an active phosphodiester metabolite of phosphatidylethanolamine. It promotes aggregation of amyloid- β (1-40) ($A\beta$ 40) in vitro, and levels of glycerophosphorylethanolamine are elevated in postmortem brains isolated from patients with Alzheimer's disease. |
| Targets(IC50) | Beta Amyloid,Others |

Solubility Information

| | |
|------------|--|
| Solubility | H ₂ O: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.2173 mL | 21.0864 mL | 42.1727 mL |
| 5 mM | 0.8435 mL | 4.2173 mL | 8.4345 mL |
| 10 mM | 0.4217 mL | 2.1086 mL | 4.2173 mL |
| 50 mM | 0.0843 mL | 0.4217 mL | 0.8435 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

Klunk, W.E., Xu, C.J., McClure, R.J., et al. Aggregation of β -amyloid peptide is promoted by membrane phospholipid metabolites elevated in Alzheimer's disease brain. *J. Neurochem.* 69(1)266-272(1997)

Blusztajn, J.K., Lopez Gonzalez-Coviella, I., Logue, M., et al. Levels of phospholipid catabolic intermediates, glycerophosphocholine and glycerophosphoethanolamine, are elevated in brains of Alzheimer's disease but not of Down's syndrome patients. *Brain Res.* 536(1-2)240-244(1990)

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