

Phosphatidylinositols sodium

Chemical Properties

CAS No. : 383907-36-6

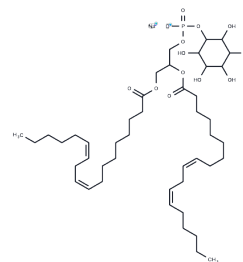
Formula: C45H78NaO13P

Molecular Weight: 881.07

Keep away from direct sunlight, Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

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|---------------|--|
| Description | Phosphatidylinositols sodium are a type of lipid present in organisms that has an enrichment effect and is involved in regulating various cell functions. They can be used in the functional study of lipid membranes. |
| Targets(IC50) | Others |

Solubility Information

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|------------|--|
| Solubility | Methanol: 5 mg/mL (5.67 mM), Sonication is recommended. DMSO: 2 mg/mL (2.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.135 mL | 5.6749 mL | 11.3498 mL |
| 5 mM | 0.227 mL | 1.135 mL | 2.270 mL |
| 10 mM | 0.1135 mL | 0.5675 mL | 1.135 mL |
| 50 mM | 0.0227 mL | 0.1135 mL | 0.227 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

Pemberton JG, et al. Integrated regulation of the phosphatidylinositol cycle and phosphoinositide-driven lipid transport at ER-PM contact sites. *Traffic*. 2020 Feb;21(2):200-219.

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