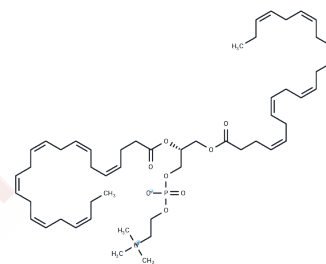


## DHAPC

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 99296-81-8  |
| Formula:          | C52H80NO8P  |
| Molecular Weight: | 878.17  |
| Storage:          | Store at low temperature                                    |
|                   | 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

|               |  |
|---------------|--|
| Description   | DHAPC (1,2-Didocosahexaenoyl-sn-glycero-3-phosphocholine) can be used as a fluorine-18 radiolabeling agent for PET imaging of prostate cancer. |
| Targets(IC50) | Liposome   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.1387 mL | 5.6937 mL | 11.3873 mL |
| 5 mM  | 0.2277 mL | 1.1387 mL | 2.2775 mL  |
| 10 mM | 0.1139 mL | 0.5694 mL | 1.1387 mL  |
| 50 mM | 0.0228 mL | 0.1139 mL | 0.2277 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

Breton M, et al. Optimization of the Electroformation of Giant Unilamellar Vesicles (GUVs) with Unsaturated Phospholipids. *J Membr Biol.* 2015 Oct;248(5):827-35.

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