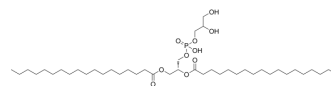


## 1,2-Distearoyl-sn-Glycero-3-Phosphatidylglycerol

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-148601   |
| CAS No.:           | 217939-97-4   |
| Molecular Formula: | C <sub>42</sub> H <sub>83</sub> O <sub>10</sub> P   |
| Molecular Weight:  | 779.08  |
| Target:            | Liposome  |
| Pathway:           | Metabolic Enzyme/Protease   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                    |  |
|--------------------|--|
| <b>Description</b> | 1,2-Distearoyl-sn-Glycero-3-Phosphatidylglycerol is an anionic phospholipid, can be used for drug delivery and the synthesis of liposomes. |
|--------------------|--|

### REFERENCES

- [1]. Benne N, van Duijn J, Lozano Vigario F, et al. Anionic 1,2-distearoyl-sn-glycero-3-phosphoglycerol (DSPG) liposomes induce antigen-specific regulatory T cells and prevent atherosclerosis in mice. *J Control Release*. 2018;291:135-146.
- [2]. Maruyama T, Sugii M, Omata D, et al. Effect of lipid shell composition in DSPG-based microbubbles on blood flow imaging with ultrasonography. *Int J Pharm*. 2020;590:119886.
- [3]. Momtazi-Borojeni AA, Abdollahi E, Jaafari MR, Banach M, Watts GF, Sahebkar A. Negatively-charged Liposome Nanoparticles Can Prevent Dyslipidemia and Atherosclerosis Progression in the Rabbit Model. *Curr Vasc Pharmacol*. 2022;20(1):69-76.

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

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