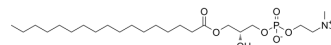


## 1-Heptadecanoyl-2-hydroxy-sn-glycero-3-phosphocholine

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-141616   |
| CAS No.:           | 50930-23-9  |
| Molecular Formula: | C <sub>25</sub> H <sub>52</sub> NO <sub>7</sub> P   |
| Molecular Weight:  | 509.66  |
| Target:            | Endogenous Metabolite   |
| Pathway:           | Metabolic Enzyme/Protease   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|             |   |
|-------------|---|
| Description | 1-Heptadecanoyl-2-hydroxy-sn-glycero-3-phosphocholine is an endogenous metabolite present in Blood that can be used for the research of Pregnancy and Sepsis <sup>[1][2][3]</sup> .   |
| In Vitro    | Endogenous metabolites is defined as those that are annotated by Kyoto Encyclopedia of Genes and Genomes as substrates or products of the ~1900 metabolic enzymes encoded in our genome. It is clear in the body of literature that there are documented toxic properties for many of these metabolites <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

- [1]. Bahado-Singh RO, et al. Metabolomic prediction of fetal congenital heart defect in the first trimester. Am J Obstet Gynecol. 2014 Sep;211(3):240.e1-240.e14.
- [2]. Ferrario M, et al. Mortality prediction in patients with severe septic shock: a pilot study using a target metabolomics approach. Sci Rep. 2016 Feb 5;6:20391.
- [3]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. Oncogene. 2020 Aug;39(35):5709-5720.

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

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