# 17(S)-HpDHA

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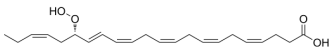
| **Cat. No.:** | HY-116124 |
| **CAS No.:** | 123673-33-6 |
| **Molecular Formula:** | $C_{22}H_{32}O_4$ |
| **Molecular Weight:** | 360.49 |
| **Target:** | Lipoxygenase |
| **Pathway:** | Metabolic Enzyme/Protease |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |




## BIOLOGICAL ACTIVITY

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| **Description** | 17(S)-HpDHA is the main 15-Lipoxygenase (LOX) isoenzyme: h15-LOX-1 and h15-LOX-2 and docosahexaenoic acid (DHA). product. 17(S)-HpDHA negatively regulates epoxide synthesis via allosteric regulation. 17(S)-HpDHA also inhibits platelet aggregation with an $EC_{50}$ of approximately 1 μM[1]. |

## REFERENCES

[1]. Tsai WC, et al. In Vitro Biosynthetic Pathway Investigations of Neuroprotectin D1 (NPD1) and Protectin DX (PDX) by Human 12-Lipoxygenase, 15-Lipoxygenase-1, and 15-Lipoxygenase-2. Biochemistry. 2021 Jun 8;60(22):1741-1754.

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

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