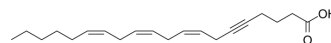


## 5,6-Dehydroarachidonic acid

Cat. No.:	HY-131895
CAS No.:	58688-54-3
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>2</sub>
Molecular Weight:	302.45
Target:	Lipoxygenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

5,6-Dehydroarachidonic acid is a 5-lipoxygenase (Lipoxygenase) inhibitor that inhibits the biosynthesis of leukotrienes. However, 5,6-Dehydroarachidonic acid had no effect on vascular cell proliferation<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Sok DE, et al. Inhibition of leukotriene biosynthesis by acetylenic analogs. *Biochem Biophys Res Commun.* 1982 Jul 16;107(1):101-8.
- [2]. Dethlefsen SM, et al. Arachidonic acid metabolites in bFGF-, PDGF-, and serum-stimulated vascular cell growth. *Exp Cell Res.* 1994 Jun;212(2):262-73.
- [3]. Corey E J, et al. Synthesis of three potential inhibitors of the biosynthesis of leukotrienes A-E[J]. *Tetrahedron Letters*, 1980, 21(44): 4243-4246.

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

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