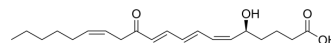


12-Oxo-leukotriene B4

| | |
|--------------------|---|
| Cat. No.: | HY-130497 |
| CAS No.: | 136696-10-1 |
| Molecular Formula: | C ₂₀ H ₃₀ O ₄ |
| Molecular Weight: | 334.45 |
| Target: | Endogenous Metabolite |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

12-Oxo-leukotriene B4 (12-Oxo-LTB₄) is an intermediate in the lipoxygenase-catalyzed path of Arachidonic acid (HY-109590) metabolism. 12-Oxo-leukotriene B4 is crucial in Leukotriene B₄ metabolism and is involved in inflammation reactions^[1]. 12-Oxo-leukotriene B₄ stimulates calcium levels in human neutrophils with an EC₅₀ of 33 nM. 12-Oxo-leukotriene B₄ induces migration of neutrophils with EC₅₀ of 170 nM^[2].

REFERENCES

- [1]. Khanapure S P, et al., 12-Oxo-LTB₄, a key pivotal intermediate in LTB₄ metabolism[J]. The Journal of Organic Chemistry, 1995, 60(6): 1806-1813.
- [2]. Powell WS, et al., Effects of metabolites of leukotriene B₄ on human neutrophil migration and cytosolic calcium levels. J Pharmacol Exp Ther. 1996 Feb;276(2):728-36.

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

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