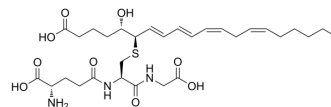


Leukotriene C4

Cat. No.:	HY-113446
CAS No.:	72025-60-6
Molecular Formula:	C ₃₀ H ₄₇ N ₃ O ₉ S
Molecular Weight:	625.77
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



BIOLOGICAL ACTIVITY

Description	Leukotriene C4 is a eicosanoid lipid mediator and produced by immune cells during type 2 inflammation. Leukotriene C4 can mediate inflammation, allergy, bronchoconstriction, and vascular leakage ^{[1][2]} .
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	Leukotriene C4 is the parent cysteinyl leukotriene produced by the LTC ₄ synthase catalyzed conjugation of glutathione to LTA ₄ . Leukotriene C4 is produced by neutrophils, macrophages, mast cells, and by transcellular metabolism in platelets. Leukotriene C4 is one of the constituents of slow-reacting substance of anaphylaxis (SRS-A) and exhibits potent smooth muscle contracting activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Voisin T, et, al. The CysLT2R receptor mediates leukotriene C4-driven acute and chronic itch. Proc Natl Acad Sci U S A. 2021 Mar 30;118(13):e2022087118.
- [2]. Dvash E, et, al. Leukotriene C4 is the major trigger of stress-induced oxidative DNA damage. Nat Commun. 2015 Dec 11;6:10112.

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

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