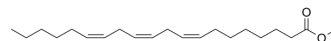


Dihomo- γ -Linolenic acid methyl ester

Cat. No.:	HY-116015
CAS No.:	21061-10-9
Molecular Formula:	C ₂₁ H ₃₆ O ₂
Molecular Weight:	320.51
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Dihomo- γ -Linolenic acid is an n-6 polyunsaturated fatty acid that is mainly metabolized to an anti-inflammatory eicosanoid, prostaglandin (PG) E1, via the cyclooxygenase (COX) pathway. Anti-inflammatory and anti-proliferative effects^{[1][2]}.

REFERENCES

- [1]. Takai S, et al. Anti-atherosclerotic effects of dihomo-gamma-linolenic acid in ApoE-deficient mice. *J Atheroscler Thromb.* 2009;16(4):480-489.
- [2]. Chutrakul C, et al. Metabolic engineering of long chain-polyunsaturated fatty acid biosynthetic pathway in oleaginous fungus for dihomo-gamma linolenic acid production. *J Biotechnol.* 2016;218:85-93.

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

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