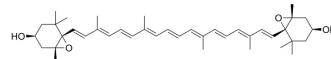


Violaxanthin

Cat. No.:	HY-N9625
CAS No.:	126-29-4
Molecular Formula:	C ₄₀ H ₅₆ O ₄
Molecular Weight:	600.87
Target:	Photosystem II
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Violaxanthin is a carotenoid which can be biosynthesized from zeaxanthin with zeaxanthin epoxidase (ZEP) by way of antheraxanthin only in photosynthetic eukaryotes including higher plants and involved in the xanthophyll cycle to eliminate excessive light energy^[1].

REFERENCES

[1]. Takemura M, et al. Violaxanthin: natural function and occurrence, biosynthesis, and heterologous production. Appl Microbiol Biotechnol. 2021 Aug;105(16-17):6133-6142.

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

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