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Product Datasheet

Violaxanthin, CAS [[126-29-4]]

MCE-HY-N9625

Article Name	Violaxanthin, CAS [[126-29-4]]
Biozol Catalog Number	MCE-HY-N9625
Supplier Catalog Number	HY-N9625
Alternative Catalog Number	MCE-HY-N9625-250NG, MCE-HY-N9625-250NG(1.58UMX262.5ULINETHANOL)
Manufacturer	MedchemExpress
Category	Biochemikalien
Product 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. It is a yellow-orange pigment found in the chloroplasts of photosynthetic organisms, particularly in the thylakoid membranes of chloroplasts. It is a component of the photosynthetic light-harvesting complex II (LHCII) and is involved in the conversion of light energy into chemical energy during photosynthesis. It is also found in the xanthophyll cycle, where it is converted to zeaxanthin by the enzyme zeaxanthin epoxidase (ZEP). The conversion of violaxanthin to zeaxanthin is triggered by high light intensity, and it helps to protect the plant from光 damage by dissipating excess energy as heat.
Molecular Weight	600.87
Purity	98.00
CAS Number	[126-29-4]
Formula	C ₄₀ H ₅₆ O ₄
Target	Photosystem II
Application Notes	MCE Product type: Natural Products