Creative Enzymes®

Ultramicronized Palmitoylethanolamide

Cat. No. EXTZ-754

Lot. No. (See product label)

Introduction

Description	Palmitoylethanolamide (PEA) is an endogenous fatty acid ethanolamide compound that is widely present in the human body as well as in various plant and animal tissues. Physiologically, PEA exhibits remarkable anti-inflammatory, analgesic and neuroprotective activities. By regulating the body's immune responses and inhibiting the release of inflammatory factors, it can alleviate chronic pain and neurogenic inflammation. Meanwhile, it is capable of protecting damaged neurons and improving neurological function, thus finding extensive applications in the fields of pain management and adjuvant care for neurodegenerative diseases. Emerging research has demonstrated that the benefits of PEA also extend to mental health support, particularly in the management of anxiety and depressive symptoms. By modulating neuroinflammatory pathways, PEA is believed to promote neurotransmitter homeostasis, which in turn exerts a positive impact on mood and stress levels. In practical applications, PEA is often incorporated as a core functional ingredient in dietary supplements and can also be added to skincare formulations to deliver anti-inflammatory and soothing effects.
Applications	Dietary Supplement Anti-inflammatory and Analgesic Protect the Nerves

Product Information

Form	Powder
CAS No.	544-31-0
Molecular Formula	C18H37NO2
Molecular Weight	299.49
Purity	99%