



Methylene Blue 10mg 60 Oral Capsules

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**ENHANCE MITOCHONDRIAL FUNCTION,
SUPPORT BRAIN HEALTH, AND COMBAT
OXIDATIVE STRESS**

Oral

Methylene blue (methylthioninium chloride) is a historic therapeutic dye, first synthesized in 1876 and FDA-approved for treating conditions like methemoglobinemia and cyanide poisoning. In low oral doses, it acts as a potent mitochondrial electron shuttle and antioxidant, helping cells generate ATP more efficiently and reducing reactive oxygen species (ROS).

This unique dual role has sparked increased interest in research into its potential to support energy metabolism, cognitive performance, cellular resilience, and longevity, especially in the context of neurodegenerative disorders and aging.

Key Potential Benefits

- **Mitochondrial Energy Support** – Facilitates efficient electron transport in mitochondria, boosting ATP production and reducing oxidative damage.
- **Neuroprotective & Cognitive Effects** – Crosses the blood-brain barrier to reduce neuroinflammation and support memory, attention, and executive function.
- **Skin Health & Cellular Longevity** – Supports fibroblast proliferation and delays cellular aging in skin models.
- **Antimicrobial & Photodynamic Use** – Serves as a photosensitizer in treatments against infections and cancer.
- **Well-Established Safety at Low Doses** – Long-term oral use (~4mg/kg/day) has been safely documented in clinical trials.

Technical Information :

CAS Number: 61-73-4

PubChem CID: [6099](#)

Formula: $C_{16}H_{18}N_3S.Cl$ / $C_{16}H_{18}ClN_3S$

Specifications:

- 10mg
- 60 Capsules



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