

DATA SHEET

Product Name: Mitoquinone

Catalog #: N-1363

Alt: CAS # 444890-41-9; 10-(6'-Ubiquinonyl)decyltriphenylphosphonium bromide; Mito-Q

Source: Synthetic

Molecular Mass: 663.6 C₃₇H₄₄BrO₄P

Analysis: >98% (TLC); NMR (Conforms)

Supplied As: Orange-brown waxy solid

Resuspension: May be dissolved in DMSO

Storage: Store desiccated as supplied at -20°C for up to 3 years. Store solutions at -20°C for up to 3 months.

Description: A mitochondria-targeted antioxidant. Displays cardio- and neuroprotective effects¹. Displays beneficial effects in mouse models of Alzheimer's disease². Protects pancreatic β -cells against oxidative stress and improves insulin secretion³. Cell permeable.

References:

1. Ghosh, A., et al., (2010) Free Radic. Biol. Med., 49: 1674
2. McManus, M.J., et al., (2011) J. Neurosci., 31: 15703
3. Lim, S., et al., (2011) Cell Physiol. Biochem., 28: 873

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