

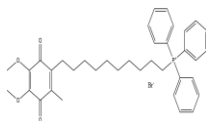
PRODUCT: Mitoquinone

ALTERNATE NAME: 10-(6'-Ubiquinonyl)decyltriphenylphosphonium bromide;
MitoQ

CATALOG #: B1309-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₇H₄₄BrO₄P

MOLECULAR WEIGHT: 663.64

CAS NUMBER: 444890-41-9

APPEARANCE: Orange-brown waxy solid

SOLUBILITY: DMSO

PURITY: ≥98% by TLC; NMR (conforms)

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: Mitoquinone is a mitochondria-targeted antioxidant. Displays cardio- and neuroprotective effects. Displays beneficial effects in mouse models of Alzheimer's disease. Mitoquinone protects pancreatic β-cells against oxidative stress and improves insulin secretion. Cell-permeable.

REFERENCES: McManus, M.J., *et al.* (2011). *J. Neurosci.* **31**, 15703-15715.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Ascorbic Acid Assay Kit (**Cat. No. K661-100**)

Ascorbic Acid Assay Kit II (FRASC) (**Cat. No. K671-100**)

Caffeic Acid (**Cat. No. 2006-100, 500**)

Carnosic Acid (**Cat. No. 2075-5, 25**)

Catalase Assay kit (**Cat. No. K773-100**)

Deferoxamine Mesylate (**1883-500, 1000**)

(-)-Epigallocatechin gallate (**Cat. No. 1841-50**)

FeTPPS (**Cat. No. 2065-25, 100**)

Glutathione (GSH/GSSG Total) Assay Kit (**Cat. No. K264-100**)

Glutathione Colorimetric Assay Kit (**Cat. No. K261-100**)

Glutathione Fluorometric Assay Kit (**Cat. No. K251-100**)

Glutathione Peroxidase Assay Kit (**Cat. No. K762-100**)

Glutathione Reductase Assay Kit (**Cat. No. K761-100**)

GST Colorimetric Assay Kit (**Cat. No. K263-100**)

GST Fluorometric Assay Kit (**Cat. No. K263-100**)

Hydrogen Peroxide Assay Kit (**Cat. No. K265-100**)

Luteolin (**Cat. No. 2005-5, 25**)

MnTBAP Chloride (**Cat. No. 2058-10, 50**)

MnTMPyp Pentachloride (**Cat. No. 2056-10, 50**)

Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)

Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)

Piceatannol (**Cat. No. 2072-5, 25**)

Piperlongumine (**Cat. No. 1919-10, 50**)

Piperlonguminine (**Cat. No. 1988-10, 50**)

Pterostilbene (**Cat. No. 2073-5, 25**)

Resveratrol (**Cat. No. 1758-100, 500**)

Rhapontigenin (**Cat. No. 2074-1, 5**)

Rosmarinic Acid (**Cat. No. 1843-50, 250**)

SOD Activity Assay Kit (**Cat. No. K335-100**)

Thioredoxin Reductase Assay Kit (**Cat. No. K763-100**)

Tiliroside (**Cat. No. 1879-1,5**)

Total Antioxidant Capacity Assay Kit (**Cat. No. K274-100**)

Trolox (**Cat. No. 2076-50, 250**)

Uric Acid Assay Kit (**Cat. No. K608-100**)

Xanthine Oxidase Assay Kit (**Cat. No. K710-100**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**