

Mitoquinone mesylate, Mitochondria-targeted antioxidant

Catalog	Unit
TBI3914-5MG	5 mg
TBI3914-25MG	25 mg

Product Details

Formal Name: 10-(6'-Ubiquinonyl)decyltriphenylphosphonium mesylate

Alternate Names: MitoQ

Molecular Formula: C₃₇H₄₄O₄P • CH₃SO₃

Formula Weight: 678.80

CAS Number: 845959-50-4

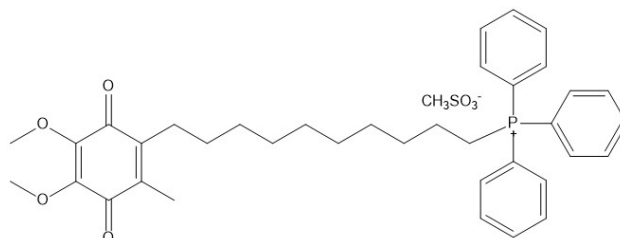
Purity: >98%

Formulation: wax

Solubility: Soluble in DMSO (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Mitochondria-targeted antioxidant

Functions

Mitochondria-targeted antioxidant. Displays cardio- and neuroprotective effects. Displays beneficial effects in mouse models of Alzheimer's disease. Protects pancreatic β -cells against oxidative stress and improves insulin secretion. Inhibits respiratory syncytial virus (RSV) production via lowering of mitochondrial ROS levels. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.