

Mitoquinone, Mitochondria-targeted antioxidant

Catalog	Unit
TBI1363-5MG	5 mg
TBI1363-25MG	25 mg

Product Details

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

Molecular Formula: C₃₇H₄₄BrO₄P

Formula Weight: 663.60

CAS Number: 444890-41-9

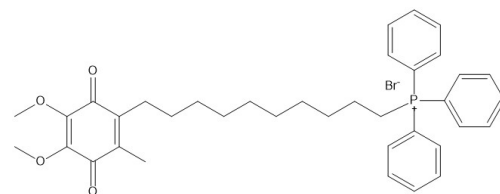
Purity: >98%

Formulation: wax

Solubility: Soluble in DMSO (up to 70 mg/ml) or in Ethanol (up to 30 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Mitochondria-targeted antioxidant

Functions

A 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. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 70 mg/ml) or in Ethanol (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.