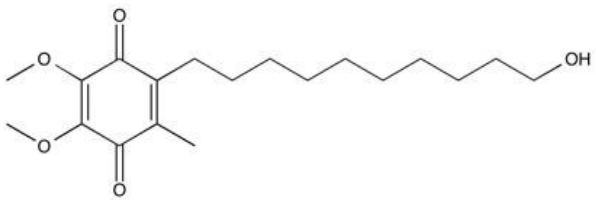
Tribioscience

Idebenone, Quinone antioxidant & free radical scavenger

Catalog	Unit
TBI1130-20MG	20 mg
TBI1130-100MG	100 mg

Product Details

Formal Name: 2-(10-Hydroxydecyl)-5,6-dimethoxy-3-methyl-cyclohexa-2,5-diene-1,4-dione
Alternate Names: CV2619
Molecular Formula: $C_{19}H_{30}O_5$
Formula Weight: 338.44
CAS Number: 58186-27-9
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (30 mg/ml) or ethanol (30 mg/ml)
Storage: RT
Stability: ≥ 2 years



Applications

Quinone antioxidant & free radical scavenger

Functions

Analog of coenzyme Q10 which acts as an antioxidant. Protects mitochondrial membranes against lipid peroxidation and blocks glutamate neurotoxicity *in vitro* and *in vivo*. Increases NGF production with no effect on reactive oxygen species in a cultured rat astrocyte reperfusion injury model. Extends lifespan and improves motor function in HtrA2 knockout mice.

Application Procedures

First dissolved in DMSO (30 mg/ml) or ethanol (30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.