

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

Product Details

Formal Name: 2-(10-Hydroxydecyl)-5,6-dimethoxy-3-methyl-cyclohexa-2,5-diene-1,4-dione

Molecular Formula: C₁₉H₃₀O₅

Formula Weight: 338.44

CAS Number: 58186-27-9

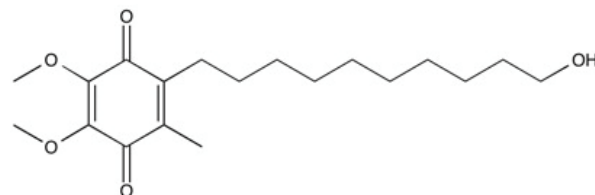
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml).

Storage: RT

Stability: ≥ 1 year.



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 (up to 25 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.