

PRODUCT:

Coenzyme Q10

ALTERNATE NAME:

2-[(2E,6E,10E,14E,18E,22E,26E,30E,34E)-3,7,11,15,19,23,27,31,35,39-decamethyl-2,6,10,14,18,22,26,30,34,38-tetracontadecaen-1-yl]-5,6-dimethoxy-3-methyl-2,5-cyclohexadiene-1,4-dione;
NSC140865

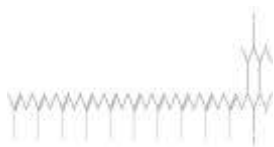
CATALOG #:

B2310-10, 50

AMOUNT:

10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA:

C₅₉H₉₀O₄

MOLECULAR WEIGHT:

863.4

CAS NUMBER:

303-98-0

APPEARANCE:

Crystalline solid

SOLUBILITY:

EtOH (0.3 mg/ml) or DMF (10 mg/ml)

PURITY:

≥98%

STORAGE:

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

DESCRIPTION:

Coenzyme Q10 is a naturally occurring quinone found throughout the body in cell membranes, primarily in mitochondrial membranes. It is an endogenous cellular antioxidant and an essential component of the electron transfer chain. CoQ10 takes part in aerobic cellular respiration and generation of energy in the form of ATP.

REFERENCE:

Saini, R. (2011). *J.Pharm.Bioallied Sci.* 3, 466-467.

HANDLING:

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

10/18

RELATED PRODUCTS:

N-Acetyl-4-benzoquinone Imine (**B2306**)

Baicalein (**B2309**)

L-Buthionine-(S,R)-Sulfoximine (**B2305**)

Coenzyme Q10 (**B2310**)

Erastin (**2231**)

EZSolution™ Erastin (**B1502**)

Ferrostatin-1 (**2230**)

FIN56 (**B2308**)

Glutathione ethyl ester (**B2307**)

Glutathione Peroxidase Colorimetric Assay Kit (**K762**)

ML-162 (**B2304**)

RSL3 (**B2303**)

USAGE:

FOR RESEARCH USE ONLY! Not to be used in humans