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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Idebenone

Quinone antioxidant
Catalog No. SIH-150



Discovery through partnership | Excellence through quality

Overview

Product Name

Idebenone

Description

Quinone antioxidant

Purity

>98% (TLC and HPLC); NMR (Conforms)

CAS No.

58186-27-9

Molecular Formula

C₁₁H₁₀O₂

Molecular Weight

338.44

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Antioxidant

Solubility

Soluble to 100 mM in DMSO, 100 mM in ethanol

Source

Synthetic

Appearance

Orange Solid

SMILES

CC1=C(C(=O)C(=C(C1=O)OC)OC)CCCCCCCCCO

InChi

InChi=1S/C19H30O5/c1-14-15(12-10-8-6-4-5-7-9-11-13-20)17(22)19(24-3)18(23-2)16(14)21/h20H,4-13H2,1-3H3

InChIKey

JGPMMRGNQUBGND-UHFFFAOYSA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Cite This Product

Idebenone (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-150)

Biological Description

Alternative Names

2-(10-Hydroxydecyl)-5,6-dimethoxy-3-methyl-1,4-benzoquinone

Research Areas

Cancer, Oxidative Stress

PubChem ID

3686

Scientific Background

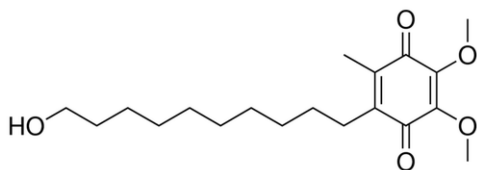
Idebenone has been tested for numerous pharmaceutical indications including Alzheimers (1), Friedreichs ataxia (2), and Duchenne muscular dystrophy. It also has similar antioxidant properties to CoQ10, and has therefore been used in anti-aging applications as well (3).

References

1. Gutzmann H., Kuhl K.P., Hadler D and Rapp M.A. (2002) *Pharmacopsychiatry*. 35(1): 12-18.
 2. Di Prospero N.A., Baker A., Jeffries N, Fischbeck K.H. (2007) *Lancet Neuro*. 6(10): 878-886.
 3. McDaniel D., Neudecker B., Dinardo J, Lewis J., Maibach H. (2005) *Cosmet Dermatol*. 4(3): 167-173.
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Product Images

Chemical structure of Idebenone (SIH-150), a Quinone antioxidant and free radical scavenger. CAS #: 58186-27-9. Molecular Formula: C₁₉H₃₀O₅. Molecular Weight: 338.44 g/mol.

**Product Citations (0)**

Currently there are no citations for this product.

Reviews

There are no reviews yet.