



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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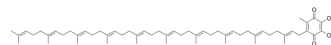
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## Coenzyme Q10 (Standard)

<b>Cat. No.:</b>	HY-N0111R
<b>CAS No.:</b>	303-98-0
<b>Molecular Formula:</b>	C <sub>59</sub> H <sub>90</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	863.34
<b>Target:</b>	Endogenous Metabolite; Reactive Oxygen Species; Ferroptosis
<b>Pathway:</b>	Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Coenzyme Q10 (Standard) is the analytical standard of Coenzyme Q10. This product is intended for research and analytical applications. Coenzyme Q10 is an essential cofactor of the electron transport chain and a potent antioxidant agent.
<b>IC<sub>50</sub> &amp; Target</b>	Antioxidant <sup>[1]</sup>

### REFERENCES

- [1]. Yang YK, et al. Coenzyme Q10 treatment of cardiovascular disorders of ageing including heart failure, hypertension and endothelial dysfunction. Clin Chim Acta. 2015 Oct 23;450:83-9.
- [2]. Bhagavan HN, et al. Coenzyme Q10: absorption, tissue uptake, metabolism and pharmacokinetics. Free Radic Res. 2006 May;40(5):445-53.
- [3]. Matthews RT, et al. Coenzyme Q10 administration increases brain mitochondrial concentrations and exerts neuroprotective effects. Proc Natl Acad Sci U S A. 1998 Jul 21;95(15):8892-7.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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