



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

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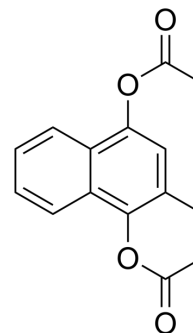
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Vitamin K4 (Standard)

Cat. No.:	HY-B1508R
CAS No.:	573-20-6
Molecular Formula:	C ₁₅ H ₁₄ O ₄
Molecular Weight:	258.27
Target:	Endogenous Metabolite; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Vitamin K4 (Standard) is the analytical standard of Vitamin K4. This product is intended for research and analytical applications. Vitamin K4 is a chemically synthesized Vitamin K which plays an important role in the normal blood coagulation system. Vitamin K4 arrests the cells in S phase and induces apoptosis. Vitamin K4 can be used for the research of cancer, such as prostate cancer and osteosarcoma^{[1][2]}.

REFERENCES

[1]. Jiang Y, et al. Vitamin K4 induces tumor cytotoxicity in human prostate carcinoma PC-3 cells via the mitochondria-related apoptotic pathway. *Pharmazie*. 2013 Jun;68(6):442-8.

[2]. Di W, et al. Vitamin K4 inhibits the proliferation and induces apoptosis of U2OS osteosarcoma cells via mitochondrial dysfunction. *Mol Med Rep*. 2017 Jan;15(1):277-284.

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

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