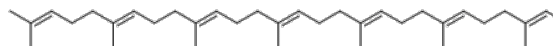


Product Name : Menaquinone-7
Cat. No. : PC-28419
CAS No. : 2124-57-4
Molecular Formula : C₄₆H₆₄O₂
Molecular Weight : 649.02
Target : NF-κB
Solubility : 10 mM in DMSO



Biological Activity

Menaquinone-7 (Vitamin K2, MK-7) is a highly preferred form of vitamin K2 with antioxidant and anti-inflammatory properties, attenuates RSL3-induced lipid peroxidation, ferroptosis, and NF-κB-dependent inflammatory activation. Menaquinone-7 inhibits osteoclast bone resorption in vitro and stimulates bone formation in femoral tissue of aged female rats.

Menaquinone-7 is also a pharmacological option for activating Gla matrix protein and intervening in the progression of calcific aortic stenosis (CAVS).

Menaquinone-7 also is a cytoprotective agent in ovarian ischemia-reperfusion.

References

Repges E, et al. Sci Rep. 2026 Jun 19;16(1):19171.

Ali SK, et al. Tissue Cell. 2026 Oct;102:103571.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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