Creative Enzymes®

# Menaquinone 7

*Cat. No. COEC-093*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Menaquinone 7 belongs to a class of K2-vitamin homologs originally discovered as the anti-hemorrhagic factors. Menaquinone 7 has been identified as the most bioactive cofactor for the carboxylation reaction of Gla-proteins, such as osteocalcin and matrix-Gla protein, which plays a crucial role in building and maintaining overall bone health. |
| ***Applications*** | A bioactive cofactor for the carboxylation reaction of Gla-proteins |
| ***Synonyms*** | (all-E)-2-(3,7,11,15,19,23,27-Heptamethyl-2,6,10,14,18,22,26-octacosaheptaenyl)-3-methyl-1,4-naphthalenedione; Vitamin K2(35); Menaquinone K7 |

## Product Information

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| ***Form*** | Solid |
| ***CAS No.*** | 2124-57-4 |
| ***Molecular Formula*** | C46H64O2 |
| ***Molecular Weight*** | 649.00 |
| ***Purity*** | ≥90% |
| ***Boiling Point*** | ~720.1° C at 760 mmHg (Predicted) |