**Product:** Menadione

**ALTERNATE NAME:** 2-Methyl-1,4-naphthoquinone, Vitamin K₃

**CATALOG #:** 2747-500, 1000

**AMOUNT:** 500 mg, 1 g

**STRUCTURE:**

![Menadione Structure](image)

**MOLECULAR FORMULA:** C₁₁H₈O₂

**MOLECULAR WEIGHT:** 172.18

**CAS NUMBER:** 58-27-5

**APPEARANCE:** Off-white to yellow solid

**SOLUBILITY:** DMSO (1 mg/ml) or 96% EtOH (~ 15 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** Menadione is an inhibitor of indoleamine2,3-dioxygenase (IDO) (IC₅₀ ~ 1 µM). It induces apoptosis via elevation of peroxide radical levels. Cytotoxic in various cell lines.


**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

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**FOR RESEARCH USE ONLY! Not to be used on humans.**