

Product: Menadione

RELATED PRODUCTS:

INCB024360 (Cat. No. 2745-5, 25)

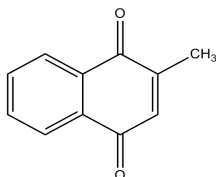
IDO pathway inhibitor (Cat. No. 2746-50, 250)

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

CATALOG #: 2747-500, 1000

AMOUNT: 500 mg, 1 g

STRUCTURE:

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 indoleamine 2,3-dioxygenase (IDO) (IC₅₀ ~ 1 μM). It induces apoptosis via elevation of peroxide radical levels. Cytotoxic in various cell lines.

REFERENCE: Kumar, S., et al. (2008). *J. Med. Chem.* **51**, 1706-1718.

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

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