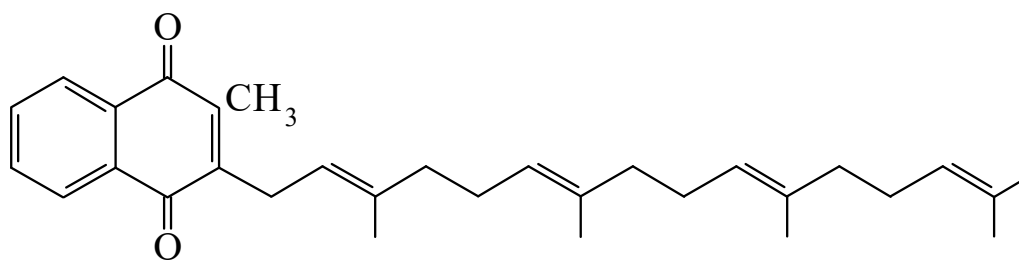




>>Entry Name: Menatetrenone, INN, JAN

Synonym(s): 2-Methyl-3-(3,7,11,15-tetramethyl-2,6,10,14-hexadecatetraenyl)-1,4-naphthalenedione, 9CI. Glakay. Kaytwo. Keivitan 2. Menatetren. Menartu. Sawa K. Tohmittel. Two-VK



CAS Registry Number: 863-61-6

Molecular Formula: C<sub>31</sub>H<sub>40</sub>O<sub>2</sub>

Molecular Weight: 444.656

Accurate Mass: 444.30283

Percentage Composition: C 83.74%; H 9.07%; O 7.20%

Biological Use/Importance: Inhibits bone resorption via PGE<sub>2</sub> synthesis inhibition and other mechanisms. Antihaemorrhagic vitamin

Physical Description: Yellow cryst. or oily liq.

Development Status: Approved 1995

Calculated Log P Data: Log P 10.31 (uncertain value) (calc)

UV: [neutral] λ<sub>max</sub> 243 (); 248 (); 254 (); 269 (); 326 () (MeOH) (Berdy)

Hazard & Toxicity: Exp. reprod. and teratogenic effects

#### References:

Kozlov, E.I. *et al.*, *Zh. Obshch. Khim.*, 1966, **36**, 2120, (*ir, synth, pharmacol*)

Dunphy, P.J. *et al.*, *J. Lipid Res.*, 1971, **12**, 442, (*tlc*)

Koshihara, Y. *et al.*, *Biochem. Pharmacol.*, 1993, **46**, 1355, (*pharmacol*)

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Akiyama, Y., *Eur. J. Pharmacol.*, 1994, **263**, 181, (*pharmacol*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, VTA650*