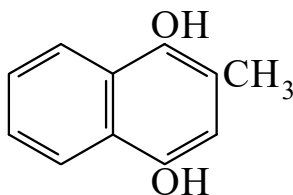




>>Entry Name: 2-Methyl-1,4-naphthalenediol, 9CI, 8CI

ENTRY UNDER REVIEW

Synonym(s): 1,4-Dihydroxy-2-methylnaphthalene. 2-Methyl-1,4-naphthoquinol. **Menadiol**, BAN. Protrombrovit



CAS Registry Number: 481-85-6

Molecular Formula: C₁₁H₁₀O₂

Molecular Weight: 174.199

Accurate Mass: 174.06808

Percentage Composition: C 75.84%; H 5.79%; O 18.37%

Biological Use/Importance: Drug used for treatment of hypoprothrombinaemia. Haemostatic agent. Antioxidant. Enhances activity of antineoplastic agents *in vitro*

Physical Description: Cryst. (AcOH or toluene)

Melting Point: Mp 177-178° (160°)

Other Data: Easily oxid. to 2-Methyl-1,4-naphthoquinone

>>Derivative: Bis(dihydrogen phosphate)

CAS Registry Number: 84-98-0

Molecular Formula: C₁₁H₁₂O₈P₂

Molecular Weight: 334.158

Accurate Mass: 334.000744

Percentage Composition: C 39.54%; H 3.62%; O 38.30%; P 18.54%

Biological Use/Importance: Prothrombogenic vitamin. Substrate for nonspecific alkaline phosphatase detn.

Physical Description: Cryst.

>>Derivative: Bis(dihydrogen phosphate), tetra-Na salt

Synonym(s): Menadiol sodium diphosphate. Kappadione. Synkayvite

CAS Registry Number: 131-13-5

Extra CAS Registry Numbers(s): 6700-42-1

Physical Description: Hexahydrate

Hazard & Toxicity: LD₅₀ (rat, ipr) 231 mg/kg

>>Derivative: Di-O-sulfate

Synonym(s): Menadiol disulfate. Menadiol sodium sulfate, INN

CAS Registry Number: 29520-22-7

Molecular Formula: C₁₁H₁₀O₈S₂

Molecular Weight: 334.327

Accurate Mass: 333.98171

Percentage Composition: C 39.52%; H 3.01%; O 38.28%; S 19.18%

Biological Use/Importance: Synthetic vitamin K analogue; prothrombogenic agent

>>Derivative: Di-O-sulfate, di-K salt

Synonym(s): Potassium menaphthosulfate, BAN. Menadiol potassium sulfate, INN. Vikastab

CAS Registry Number: 1612-30-2

Biological Use/Importance: Vitamin K analogue

>>Derivative: 1-Ac

CAS Registry Number: 2211-27-0

Molecular Formula: C₁₃H₁₂O₃

Molecular Weight: 216.236

Accurate Mass: 216.078645

Percentage Composition: C 72.21%; H 5.59%; O 22.20%

Melting Point: Mp 122-123°