



CAS Registry Number: 573-20-6

Molecular Formula: C₁₅H₁₄O₄

Molecular Weight: 258.273

Accurate Mass: 258.08921

Percentage Composition: C 69.76%; H 5.46%; O 24.78%

Biological Use/Importance: Vasodilator, prothrombogenic vitamin. Antihaemorrhagic agent

Physical Description: Cryst. (EtOH or AcOH)

Melting Point: Mp 113°

Calculated Log P Data: Log P 2.68 (calc)

Rare Chemicals Library: S35307-8

>>Derivative: Dibutanoyl

Synonym(s): Menadiol dibutyrate. Karan. Karanum

CAS Registry Number: 53370-44-8

Molecular Formula: C₁₉H₂₂O₄

Molecular Weight: 314.38

Accurate Mass: 314.15181

Percentage Composition: C 72.59%; H 7.05%; O 20.36%

Biological Use/Importance: Prothrombogenic vitamin

Melting Point: Mp *ca.* 53°

Calculated Log P Data: Log P 4.8 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 12 g/kg

>>Derivative: Bis(3-carboxypropanoyl)

Synonym(s): Menadiol disuccinate. Kapathrom

CAS Registry Number: 60539-13-1

Molecular Formula: C₁₉H₁₈O₈

Molecular Weight: 374.346

Accurate Mass: 374.10017

Percentage Composition: C 60.96%; H 4.85%; O 34.19%

Biological Use/Importance: Prothrombogenic vitamin

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 177°

Calculated Log P Data: Log P 2.02 (calc)

>>Derivative: Bis(*x*-sulfobenzoyl)

Synonym(s): Menadiol bissulfobenzoate. K-Thrombyl inj.

Molecular Formula: C₂₅H₁₈O₁₀S₂

Molecular Weight: 542.543

Accurate Mass: 542.03414

Percentage Composition: C 55.35%; H 3.34%; O 29.49%; S 11.82%

Biological Use/Importance: Prothrombogenic vitamin

>>Derivative: 1-(Trimethylammonioacetyl)

Synonym(s): Menadiol trimethylammonioacetate. Hemodal (T)

Molecular Formula: C₁₆H₂₀NO₃⁽⁺⁾

Molecular Weight: 274.339

Accurate Mass: 274.144319

Percentage Composition: C 70.05%; H 7.35%; N 5.11%; O 17.50%

Biological Use/Importance: Antihaemorrhagic agent

Other Data: Marketed as chloride

>>Derivative: Di-Me ether

Synonym(s): 1,4-Dimethoxy-2-methylnaphthalene