



>>>Derivative: 17-(3-Carboxypropanoyl)

Synonym(s): Estradiol hemisuccinate. Eutocol

CAS Registry Number: 7698-93-3

Molecular Formula: $C_{22}H_{28}O_5$

Molecular Weight: 372.46

Accurate Mass: 372.193675

Percentage Composition: C 70.95%; H 7.58%; O 21.48%

Biological Use/Importance: Estrogen

Physical Description: Dimorphic shiny cryst. (C_6H_6)

Melting Point: Mp 145-147°. Mp 163°

Calculated Log P Data: Log P 4.47 (uncertain value) (calc)

Sigma: E9252

>>>Derivative: 17-(Butanoylacetyl)

Synonym(s): Estra-1,3,5(10)-triene-3,17-diol 17-(3-oxohexanoate), 9Cl. Estradiol butyrylacetate. Follikoside

CAS Registry Number: 60883-80-9

Molecular Formula: $C_{24}H_{32}O_4$

Molecular Weight: 384.514

Accurate Mass: 384.23006

Percentage Composition: C 74.97%; H 8.39%; O 16.64%

Biological Use/Importance: Estrogen

Calculated Log P Data: Log P 5.41 (uncertain value) (calc)

>>>Derivative: 17-(3-Cyclopentylpropanoyl)

Synonym(s): Estradiol cypionate, INN. Depofemin. Estradep. Many other names

CAS Registry Number: 313-06-4

Molecular Formula: $C_{26}H_{36}O_3$

Molecular Weight: 396.569

Accurate Mass: 396.266445

Percentage Composition: C 78.75%; H 9.15%; O 12.10%

Biological Use/Importance: Estrogen

Physical Description: Cryst. (C_6H_6 /petrol)

Melting Point: Mp 151-152°

Optical Rotation: $[\alpha]_D^{25} +45$ ($CHCl_3$)

Calculated Log P Data: Log P 7.35 (uncertain value) (calc)

Other Data: Component of Depo-Testadiol

Hazard & Toxicity: Exp. reprod. and teratogenic effects

Sigma: E8004

>>>Derivative: 17-Cyclohexanecarboxylate

Synonym(s): Estradiol hexahydrobenzoate, INN. Benzo-Ginoestril A.P.. Benzo-Gynoestryl retard. Ginestryl-15-depot. Menodin $\ddagger$. Tardoginestryl

CAS Registry Number: 15140-27-9

Molecular Formula: $C_{25}H_{34}O_3$

Molecular Weight: 382.542

Accurate Mass: 382.250795

Percentage Composition: C 78.49%; H 8.96%; O 12.55%

Biological Use/Importance: Estrogen

Melting Point: Mp 91-92°

Optical Rotation: $[\alpha]_D^{20} +53$ (c, 1 in $CHCl_3$)

Calculated Log P Data: Log P 6.76 (uncertain value) (calc)