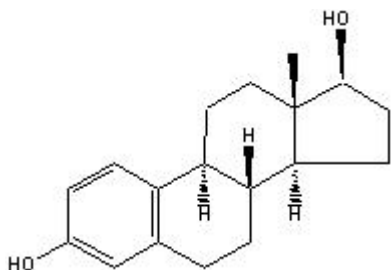


TECHNICAL INFORMATION

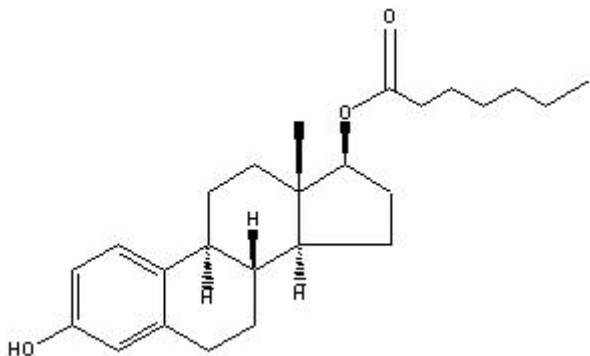
Catalog Number: 101656, 157943, 157944, 157945, 157946, 190411, 190412, 190413, 190414, 190415, 190458, 194564, 194565, 195052, 195050

beta-Estradiol cell culture

Structure (of b-estradiol):



b-estradiol-17-enanthate:



Synonyms: 1,3,5(10)-Estratriene-3,17b-diol; (17b)-Estra-1,3,5(10)-triene-3,17-diol; cis-estradiol; 3,17-epidihydroxyestratriene; dihydrofollicular hormone; dihydrofolliculin; dihydroxyestrin; dihydrotheelin; Dimenformon; Diogyn; Estrace; Estraderm; Estroclim; Evorel; Gynoestryl; Macrodiol; Menorest; Oestrogel; Ovocyclin; Ovocylin; Profoliol B; Progynon; System; Vagifem; Zumenon

Physical Description: White to off white powder

$E^M(280 \text{ nm}) = 1950^{(11)}$

Solubility:

b-Estradiol: Almost insoluble in water(50 mg/ml-clear, colorless solution). Freely soluble in alcohol; soluble in acetone, dioxane, other organic solvents; solutions of fixed alkali hydroxides; sparingly soluble in vegetable oils; soluble in methanol:CHCl₃ (1:1)

b-Estradiol-3-Benzoate: Soluble in alcohol, acetone, dioxane; slightly soluble in ether, vegetable oils.

b-Estradiol-17-enanthate: Soluble in ethanol, acetone, dioxane and chloroform; sparingly soluble in vegetable oils; practically insoluble in water.

Other forms: soluble in alcohol, acetone, dioxane; slightly soluble in vegetable oil; slightly soluble in aqueous buffers.

Description: Potent mammalian estrogenic hormone produced by the ovary. Triggers the production of gonadotropins leading

to ovulation.

Availability:

Catalog Number	Description	CAS #	Molecular Formula	Size
101656	b-Estradiol	50-28-2	C ₁₈ H ₂₄ O ₂	250 mg 1 gm 5 gm 25 gm 100 gm
194564	b-Estradiol, cell culture reagent, g-irradiated	50-28-2	C ₁₈ H ₂₄ O ₂	1 mg
194565	b-Estradiol, cell culture reagent	50-28-2	C ₁₈ H ₂₄ O ₂	250 mg 1 gm 5 gm 25 gm
157943	b-Estradiol 17-Acetate	1743-60-8	C ₂₀ H ₂₆ O ₃	250 mg 1 gm 5 gm
190411	b-Estradiol 3-benzoate	50-50-0	C ₂₅ H ₂₈ O ₃	200 mg 1 gm 5 gm
157944	b-Estradiol 3-benzoate 17-n-butyrate	63072-18-2	C ₂₉ H ₃₄ O ₄	1 gm 5 gm 10 gm
190458	b-Estradiol 17-cypionate	313-06-4	C ₂₆ H ₃₆ O ₃	250 mg 1 gm 5 gm
190412	b-Estradiol Diacetate	3434-88-6	C ₂₂ H ₂₈ O ₄	100 mg 250 mg 500 mg 1 gm 5 gm
190413	b-Estradiol Dipropionate	113-38-2	C ₂₄ H ₃₂ O ₄	250 mg 500 mg 1 gm 5 gm 25 gm
190414	b-Estradiol 17-enanthate	4956-37-0	C ₂₅ H ₃₆ O ₃	100 mg 250 mg 1 gm
195052	b-Estradiol 17-Hemisuccinate	7698-93-3	C ₂₂ H ₂₈ O ₅	1 mg 10 mg 50 mg
195050	b-Estradiol 3-methyl ether	1035-77-4	C ₁₉ H ₂₆ O ₂	100 mg 250 mg 1 gm
157945	b-Estradiol 17-propionate	3758-34-7	C ₂₁ H ₂₈ O ₃	1 gm 5 gm 10 gm
157946	b-Estradiol 3-sulfate 17-glucuronide	10392-35-5	C ₂₄ H ₃₀ O ₁₁ K ₂	1 mg 5 mg 25 mg
190415	b-Estradiol 17-valerate	979-32-8	C ₂₃ H ₃₂ O ₃	100 mg 250 mg 1 gm 5 gm

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