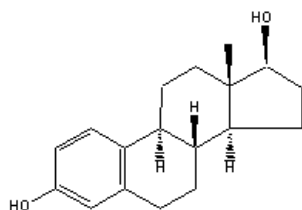


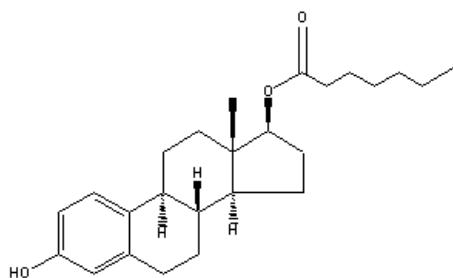
Catalog Number: 101656, 157943, 157944, 157945, 157946, 190411, 190412, 190413, 190414, 190415, 190458, 194564, 194565, 195052, 195050

## beta-Estradiol cell culture

**Structure** (of  $\beta$ -estradiol):



$\beta$ -estradiol-17-enanthate:



**Synonyms:** 1,3,5(10)-Estratriene-3,17 $\beta$ -diol; (17 $\beta$ )-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; Gynoestyl; 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:**

$\beta$ -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:CHCl<sub>3</sub> (1:1)

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

$\beta$ -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	$\beta$ -Estradiol	50-28-2	C <sub>18</sub> H <sub>24</sub> O <sub>2</sub>	250 mg 1 gm 5 gm 25 gm 100 gm
194564	$\beta$ -Estradiol, cell culture reagent, g-irradiated	50-28-2	C <sub>18</sub> H <sub>24</sub> O <sub>2</sub>	1 mg
194565	$\beta$ -Estradiol, cell culture reagent	50-28-2	C <sub>18</sub> H <sub>24</sub> O <sub>2</sub>	250 mg 1 gm 5 gm 25 gm
157943	$\beta$ -Estradiol 17-Acetate	1743-60-8	C <sub>20</sub> H <sub>26</sub> O <sub>3</sub>	250 mg 1 gm

				5 gm
190411	$\beta$ -Estradiol 3-benzoate	50-50-0	C <sub>25</sub> H <sub>28</sub> O <sub>3</sub>	200 mg 1 gm 5 gm
157944	$\beta$ -Estradiol 3-benzoate 17-n-butyrate	63072-18-2	C <sub>29</sub> H <sub>34</sub> O <sub>4</sub>	1 gm 5 gm 10 gm
190458	$\beta$ -Estradiol 17-cypionate	313-06-4	C <sub>26</sub> H <sub>36</sub> O <sub>3</sub>	250 mg 1 gm 5 gm
190412	$\beta$ -Estradiol Diacetate	3434-88-6	C <sub>22</sub> H <sub>28</sub> O <sub>4</sub>	100 mg 250 mg 500 mg 1 gm 5 gm
190413	$\beta$ -Estradiol Dipropionate	113-38-2	C <sub>24</sub> H <sub>32</sub> O <sub>4</sub>	250 mg 500 mg 1 gm 5 gm 25 gm
190414	$\beta$ -Estradiol 17-enanthate	4956-37-0	C <sub>25</sub> H <sub>36</sub> O <sub>3</sub>	100 mg 250 mg 1 gm
195052	$\beta$ -Estradiol 17-Hemisuccinate	7698-93-3	C <sub>22</sub> H <sub>28</sub> O <sub>5</sub>	1 mg 10 mg 50 mg
195050	$\beta$ -Estradiol 3-methyl ether	1035-77-4	C <sub>19</sub> H <sub>26</sub> O <sub>2</sub>	100 mg 250 mg 1 gm
157945	$\beta$ -Estradiol 17-propionate	3758-34-7	C <sub>21</sub> H <sub>28</sub> O <sub>3</sub>	1 gm 5 gm 10 gm
157946	$\beta$ -Estradiol 3-sulfate 17-glucuronide	10392-35-5	C <sub>24</sub> H <sub>30</sub> O <sub>11</sub> K <sub>2</sub>	1 mg 5 mg 25 mg
190415	$\beta$ -Estradiol 17-valerate	979-32-8	C <sub>23</sub> H <sub>32</sub> O <sub>3</sub>	100 mg 250 mg 1 gm 5 gm

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