**Estradiol cypionate ab145745**

**Overview**

**Product name** Estradiol cypionate

**Description** 17β-cyclopentylpropionate ester of estradiol

**Biological description** Synthetic ester of the natural estrogen, estradiol. Acts as a long-acting, intramuscular injectable prodrug of estradiol. Inhibits Endothelin-1 (ET-1) synthesis via estrogen receptor.

**Purity** > 99%

**Properties**

**Chemical name** [(8R,9S,13S,14S,17S)-3-Hydroxy-13-methyl-6,7,8,9,11,12,14,15,16,17-decahydrocyclopenta[a]phenanthren-17-yl] 3-cyclopentylpropanoate

**Molecular weight** 396.56

**Chemical structure**

![Chemical structure of Estradiol cypionate](image)

**Molecular formula** C_{26}H_{36}O_{3}

**CAS Number** 313-06-4

**Storage instructions** Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview** Soluble in DMSO to 100 mM and in ethanol to 100 mM

**Handling** Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

**Source** Synthetic
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