
Estradiol

产品编号: D22033

CAS: 50-28-2

保存条件: Store at RT.

产品介绍: Estradiol (E2), also spelled oestradiol, is an estrogen steroid hormone and the major female sex hormone. It is involved in the regulation of the estrous and menstrual female reproductive cycles. Estradiol is responsible for the development of female secondary sexual characteristics such as the breasts, widening of the hips, and a female-associated pattern of fat distribution and is important in the development and maintenance of female reproductive tissues such as the mammary glands, uterus, and vagina during puberty, adulthood, and pregnancy.[7] It also has important effects in many other tissues including bone, fat, skin, liver, and the brain.

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分子式: $C_{18}H_{24}O_2$

分子量: 272.38

MDL: MFCD00003693

外观: 白色结晶性粉末

溶解性: 在二氧六环、丙酮中溶解, 在乙醇中略溶, 在水中不溶。

用途: 经前期卵巢分泌的性雌激素。在青春期靠调控基因转录和蛋白质合成指导雌性表现型和胚胎的发育, 也诱导促性腺激素的生成, 诱导排卵。