

Native Human Estradiol (E2)

Cat. No. E2-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human Estradiol (E2) is an estrogen steroid hormone and the major female sex hormone.
Species	Human
Description	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 feminine pattern of fat distribution in women 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. It also has important effects in many other tissues including bone, fat, skin, liver, and the brain. Though estradiol levels in men are much lower compared to those in women, estradiol has important roles in men as well. Apart from humans and other mammals, estradiol is also found most in vertebrates and crustaceans, insects, fish, and other animal species.
Form	Powder, Redissolve by acetone.
Molecular Mass	272.38 kDa
Storage	-20°C or lower, for long term storage.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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