

SPECIFICATION SHEET**Catalog #:** L2G01301**Lot #:** Lot specific

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.[7]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.

Appearance: White or almost white crystalline powder; odorless; tasteless.

CAS: 57-91-0

Formula: C₁₈H₂₄O₂

MW: 272.38000

Form: Powder, Redissolve by acetone.

Contaminants: not detectable

Storage: -20°C or lower, for long term storage.