



LKT Laboratories, Inc.

17- α -Ethinylestradiol

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID E7731

CAS No. 57-63-6, 77538-56-8, 406932-93-2, 1050678-65-3

Chemical Name (8R,9S,13S,14S,17R)-17-ethynyl-13-methyl-7,8,9,11,12,14,15,16-octahydro-6H-cyclopenta[a]phenanthrene-3,17-diol

Synonym Ethinylestradiol

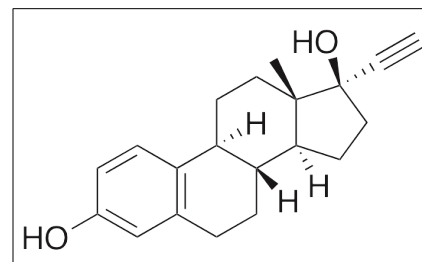
Formula C₂₀H₂₄O₂

Formula Wt. 296.40

Melting Point 182-183°C

Purity ≥99%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E7731	1 g	\$62.30
E7731	5 g	\$276.80
E7731	10 g	\$442.90

Store Temp Ambient

Ship Temp Ambient

Description 17- α -ethinylestradiol is a synthetic estrogen receptor (ER) agonist clinically used in contraceptive medications. In pregnant rats, 17- α -ethinylestradiol decreases platelet activating factor acetylhydrolase activity, inducing premature birth. 17- α -ethinylestradiol also displays weak antioxidative activity in lipid peroxidation assays in liver microsomes. Both acute and chronic exposure of wildlife (particularly fish) to 17- α -ethinylestradiol leads to feminization of males (through the induction of vitellogenin production), inhibiting fertility.

References Kidd KA, Blanchfield PJ, Mills KH, et al. Collapse of a fish population after exposure to a synthetic estrogen. *Proc Natl Acad Sci U S A*. 2007 May 22;104(21):8897-901. PMID: 17517636.

Schultz IR, Skillman A, Nicolas JM, et al. Short-term exposure to 17 alpha-ethinylestradiol decreases the fertility of sexually maturing male rainbow trout (*Oncorhynchus mykiss*). *Environ Toxicol Chem*. 2003 Jun;22(6):1272-80. PMID: 12785584.

Yasuda K, Furukawa M, Johnston JM. Effect of estrogens on plasma platelet-activating factor acetylhydrolase and the timing of parturition in the rat. *Biol Reprod*. 1996 Jan;54(1):224-9. PMID: 8838020.

Lacort M, Leal AM, Liza M, et al. Protective effect of estrogens and catecholestrogens against peroxidative membrane damage in vitro. *Lipids*. 1995 Feb;30(2):141-6. PMID: 7769970.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.