



LKT Laboratories, Inc.

Letrozole

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## Product Information

**Product ID** L1878

**CAS No.** 112809-51-5

**Chemical Name** 4,4'-(1H-1,2,4-Triazol-1-ylmethylene)bisbenzotrile

**Synonym** Femara

**Formula** C<sub>17</sub>H<sub>11</sub>N<sub>5</sub>

**Formula Wt.** 285.30

**Melting Point** 181-183 °C

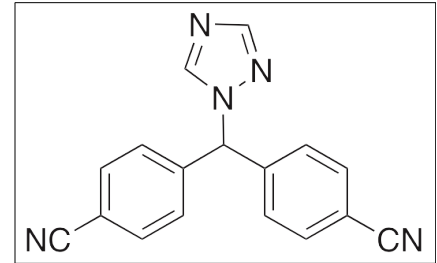
**Purity** ≥98%

**Solubility** Soluble in dichloromethane, DMSO (100 mM). Slightly soluble in ethanol. practically insoluble in water. Soluble in chloroform, methanol

**Store Temp** -20 °C

**Ship Temp** Ambient

**Description** Letrozole is an inhibitor of aromatase that prevents the formation of estrogens; it is clinically used to treat hormone-responsive breast cancer and infertility and to terminate pregnancy. Letrozole exhibits anticancer chemotherapeutic and anti-estrogenic activities. In vivo, letrozole increases secretion of luteinizing hormone (LH), lengthens the follicular dominance period, and delays subsequent follicular waves.



**Bulk quantities available upon request**

Product ID	Size
L1878	5 mg
L1878	25 mg
L1878	50 mg
L1878	100 mg

**References** Lee VC, Gao J, Lee KF, et al. The effect of letrozole with misoprostol for medical termination of pregnancy on the expression of steroid receptors in the placenta. *Hum Reprod.* 2013 Nov;28(11):2912-9. PMID: 23980056.

Tomao F, Spinelli G, Vici P, et al. Current role and safety profile of aromatase inhibitors in early breast cancer. *Expert Rev Anticancer Ther.* 2011 Aug;11(8):1253-63. PMID: 21916579.

Yapura J, Mapletoft RJ, Pierson R, et al. A bovine model for examining the effects of an aromatase inhibitor on ovarian function in women. *Fertil Steril.* 2011 Aug;96(2):434-438.e3. PMID: 21696721.

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