



LKT Laboratories, Inc.

## Exemestane

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### Product Information

**Product ID** E9317

**CAS No.** 107868-30-4

**Chemical Name** 6-Methyleneandrosta-1,4-diene-3,17-dione

**Synonym** Aromasin, FCE-24304

**Formula** C<sub>20</sub>H<sub>24</sub>O<sub>2</sub>

**Formula Wt.** 296.40

**Melting Point** 188-191 °C

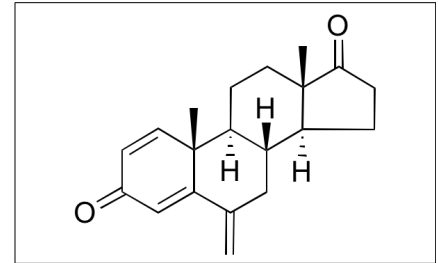
**Purity** ≥98%

**Solubility** Soluble in methanol,  
ethanol (15 mg/mL), DMSO  
(54mg/mL) or  
dimethylformamide.  
Insoluble in water

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Exemestane is a third generation aromatase inhibitor that prevents estrogen synthesis and is clinically used to treat ER+ breast cancer. Exemestane exhibits anticancer chemotherapeutic activity, inhibiting proliferation and inducing cell cycle arrest, apoptosis, and autophagy in breast cancer cells.



**Bulk quantities available upon request**

Product ID	Size
E9317	25 mg
E9317	100 mg

**References** Amaral C, Borges M, Melo S, et al. Apoptosis and autophagy in breast cancer cells following exemestane treatment. PLoS One. 2012;7(8):e42398. PMID: 22912703.

Hong Y, Rashid R, Chen S. Binding features of steroidal and nonsteroidal inhibitors. Steroids. 2011 Jul;76(8):802-6. PMID: 21420422.

Bertelli G, Hall E, Ireland E, et al. Long-term endometrial effects in postmenopausal women with early breast cancer participating in the Intergroup Exemestane Study (IES)--a randomised controlled trial of exemestane versus continued tamoxifen after 2-3 years tamoxifen. Ann Oncol. 2010 Mar;21(3):498-505. PMID: 19717534.

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