



## Product Information

### Estrogen receptor inhibitor Ethisterone, Purity ≥98%

**Cat. No.:** X24-06-ZQ647

**Size:** 100 mg; 1 g

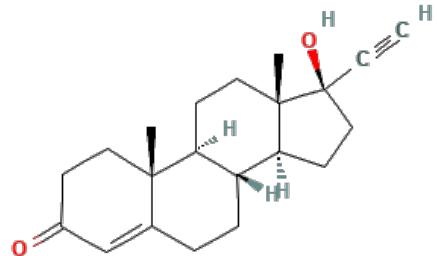
**MDL:** MFCD00003656

**CAS Number:** 434-03-7

**Compound CID:** 5284557

**Synonym:** 434-03-7; Estrogen receptor inhibitor

**This product is for research use only and is not intended for diagnostic use.**



### Product Information

<b>Description</b>	Ethisterone, soluble in DMSO and insoluble in ethanol and water, prevents the growth of cancer cells that depend on estrogen for proliferation.
<b>Molecular Weight</b>	312.45
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>28</sub> O <sub>2</sub>
<b>IUPAC Name</b>	(8R,9S,10R,13S,14S,17R)-17-ethynyl-17-hydroxy-10,13-dimethyl-2,6,7,8,9,11,12,14,15,16-decahydro-1H-cyclopenta[a]phenanthren-3-one
<b>InChI</b>	InChI=1S/C21H28O2/c1-4-21(23)12-9-18-16-6-5-14-13-15(22)7-10-19(14,2)17(16)8-11-20(18,21)3/h1,13,16-18,23H,5-12H2,2-3H3/t16-,17+,18+,19+,20+,21+/m1/s1
<b>InChI Key</b>	CHNXZKVNWQUJIB-CEGNMAFCSA-N
<b>Canonical SMILES</b>	CC12CCC(=O)C=C1CCC3C2CCC4(C3CCC4(C#C)O)C
<b>Isomeric SMILES</b>	C[C@]12CCC(=O)C=C1CC[C@H]3[C@@H]2CC[C@]4([C@H]3CC[C@]4(C#C)O)C
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 0.05 mg/mL (0.16 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Ethisterone functions as an estrogen receptor inhibitor, utilized in studies related to menstrual disorders and hormone therapy.



---

**Storage**

Store at -20°C, and keep desiccated.

---