



## Product Information

### Estrogen receptor inhibitor LY500307, Purity ≥98%

**Cat. No.:** X24-06-ZQ713

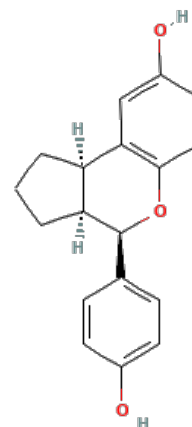
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 533884-09-2

**Compound CID:** 10286159

**Synonym:** 533884-09-2; Estrogen receptor inhibitor; LY-500307; Erteberel

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



#### Product Information

<b>Description</b>	LY500307 prevents the growth of cancer cells that depend on estrogen for proliferation. It targets ER $\beta$ and ER $\beta$ .
<b>Molecular Weight</b>	282.3
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>18</sub> O <sub>3</sub>
<b>Targets</b>	ER $\beta$ : 1.54 nM (Ki); ER $\beta$ : 3.61 nM (EC <sub>50</sub> )
<b>IUPAC Name</b>	(3aS,4R,9bR)-4-(4-hydroxyphenyl)-1,2,3,3a,4,9b-hexahydrocyclopenta[c]chromen-8-ol
<b>InChI</b>	InChI=1S/C18H18O3/c19-12-6-4-11(5-7-12)18-15-3-1-2-14(15)16-10-13(20)8-9-17(16)21-18/h4-10, 14-15, 18-20H, 1-3H2/t14-, 15+, 18+/m1/s1
<b>InChI Key</b>	XIESSJVMWNJCGZ-VKJFTORMSA-N
<b>Canonical SMILES</b>	C1CC2C(C1)C3=C(C=CC(=C3)O)OC2C4=CC=C(C=C4)O
<b>Isomeric SMILES</b>	C1C[C@H]2[C@@H](C1)C3=C(C=CC(=C3)O)O[C@H]2C4=CC=C(C=C4)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<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>	LY500307 is used for its selective modulation of estrogen receptors, particularly in the context of prostate and nervous system health.
<b>Storage</b>	Store at -20°C, and keep desiccated.



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