



## Product Information

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

**Cat. No.:** X24-06-ZQ614

**Size:** 100 mg; 250 mg; 500 mg; 1000 mg

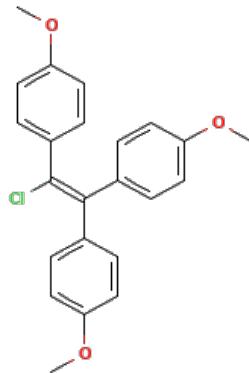
**MDL:** MFCD00048044

**CAS Number:** 569-57-3

**Compound CID:** 11289

**Synonym:** 569-57-3; Estrogen receptor inhibitor; Tri-*p*-anisylchloroethylene; tris(*p*-methoxyphenyl)chloroethylene; TACE; CTA

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



#### Product Information

<b>Description</b>	Chlorotrianisene, 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>	380.86
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>21</sub> ClO <sub>3</sub>
<b>IUPAC Name</b>	1-[1-Chloro-2,2-bis(4-methoxyphenyl)ethenyl]-4-methoxybenzene
<b>InChI</b>	InChI=1S/C23H21ClO3/c1-25-19-10-4-16(5-11-19)22(17-6-12-20(26-2)13-7-17)23(24)18-8-14-21(27-3)15-9-18/h4-15H,1-3H3
<b>InChI Key</b>	BFPSDSIWYFKGBC-UHFFFAOYSA-N
<b>Canonical SMILES</b>	COc1=CC=C(C=C1)C(=C(C2=CC=C(C=C2)OC)Cl)C3=CC=C(C=C3)OC
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 73 mg/mL (191.66 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>	Chlorotrianisene is used to inhibit estrogen receptors, aiding studies in breast cancer and hormone replacement therapy.
<b>Storage</b>	Store at -20°C, and keep desiccated.