



Product Information

Estrogen receptor inhibitor Chlorotrianisene, Purity ≥98%

Cat. No.: X24-06-ZQ614

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

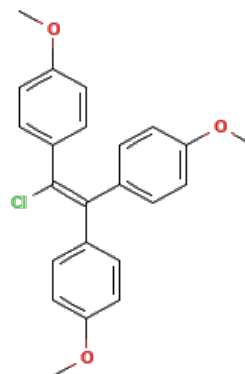
MDL: MFCD00048044

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

Description	Chlorotrianisene, soluble in DMSO and insoluble in ethanol and water, prevents the growth of cancer cells that depend on estrogen for proliferation.
Molecular Weight	380.86
Molecular Formula	C ₂₃ H ₂₁ ClO ₃
IUPAC Name	1-[1-Chloro-2,2-bis(4-methoxyphenyl)ethenyl]-4-methoxybenzene
InChI	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
InChI Key	BFPSDSIWYFKGBC-UHFFFAOYSA-N
Canonical SMILES	COC1=CC=C(C=C1)C(=C(C2=CC=C(C=C2)OC)Cl)C3=CC=C(C=C3)OC
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 73 mg/mL (191.66 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Chlorotrianisene is used to inhibit estrogen receptors, aiding studies in breast cancer and hormone replacement therapy.
Storage	Store at -20°C, and keep desiccated.