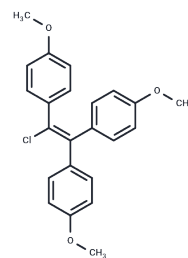


Chlorotrianisene

Chemical Properties

CAS No. :	569-57-3
Formula:	C ₂₃ H ₂₁ ClO ₃
Molecular Weight:	380.86
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Chlorotrianisene (tri-p-anisylchloroethylene) is an orally bioavailable, highly lipophilic, synthetic triphenylethylene (TPE) derivative and selective estrogen receptor modulator (SERM), with predominantly estrogenic but also antiestrogenic activities.
Targets(IC50)	Estrogen Receptor/ERR,Estrogen/progestogen Receptor,COX

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 55 mg/mL (144.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6256 mL	13.1282 mL	26.2564 mL
5 mM	0.5251 mL	2.6256 mL	5.2513 mL
10 mM	0.2626 mL	1.3128 mL	2.6256 mL
50 mM	0.0525 mL	0.2626 mL	0.5251 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Kupfer D, Bulger WH. FEBS Lett. 1990 Feb 12;261(1):59-62.

Yan X, Luo C, Yang J, et al.Antiviral Activity of Selective Estrogen Receptor Modulators against Severe Fever with Thrombocytopenia Syndrome Virus In Vitro and In Vivo.Viruses.2024, 16(8): 1332.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481