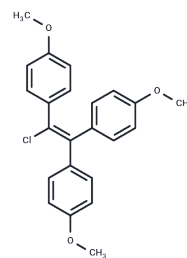


## Chlorotrianisene

## Chemical Properties

CAS No. :	569-57-3
Formula:	C <sub>23</sub> H <sub>21</sub> ClO <sub>3</sub>
Molecular Weight:	380.86
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## 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 <sub>2</sub> 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)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.25 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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.

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