

**Product Name:** Tamoxifen

**Catalog No.:** 6342

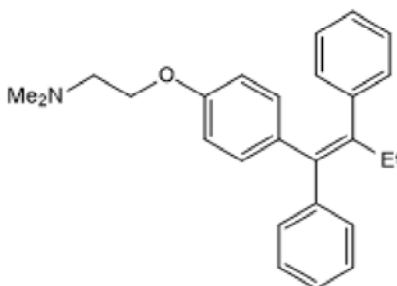
**Batch No.:** 3

CAS Number: 10540-29-1

IUPAC Name: 2-[4-[(1Z)-1,2-Diphenyl-1-buten-1-yl]phenoxy]-N,N-dimethylethanamine

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>26</sub>H<sub>29</sub>NO.  
**Batch Molecular Weight:** 371.51  
**Physical Appearance:** White solid  
**Solubility:** ethanol to 100 mM  
DMSO to 20 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.2% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	84.06	7.87	3.77
Found	84.12	8.04	3.79

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**Description:**

Tamoxifen is a selective estrogen receptor modulator (SERM). Exhibits antiestrogenic effects in mammary tissue and estrogen-like effects in bone. Anticancer. Tamoxifen citrate (Cat.No. 0999) is also available.

**Physical and Chemical Properties:**

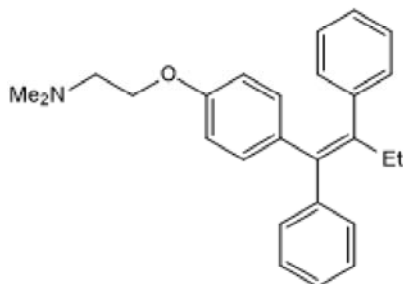
Batch Molecular Formula: C<sub>26</sub>H<sub>29</sub>NO.

Batch Molecular Weight: 371.51

Physical Appearance: White solid

**Minimum Purity:** ≥99%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

ethanol to 100 mM

DMSO to 20 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

Jordan *et al* (2003) Tamoxifen: a most unlikely pioneering medicine. *Nat.Rev.Drug Discov.* **2** 203. PMID: 12612646.

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