

Certificate of Analysis

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Product Name: Tamoxifen

Catalog No.: 6342

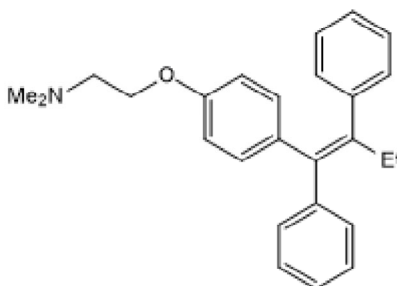
Batch No.: 8

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: C₂₆H₂₉NO.
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 99.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	84.06	7.87	3.77
Found	83.9	7.92	3.8

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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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:

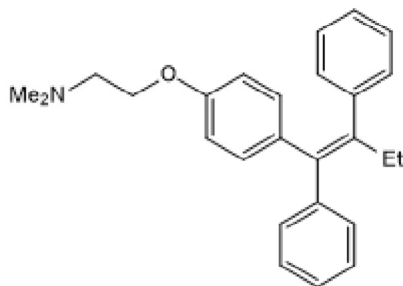
Batch Molecular Formula: C₂₆H₂₉NO.

Batch Molecular Weight: 371.51

Physical Appearance: White solid

Minimum Purity: ≥98%

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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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