Product Name: Tamoxifen citrate
Catalog No.: 0999
Batch No.: 4
CAS Number: 54965-24-1
EC Number: 259-415-2
IUPAC Name: \((Z)-2-[4-(1,2-Diphenyl-1-butenyl)phenoxy] -N,N\text{-}dimethylethanamine citrate\)

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \(C_{26}H_{29}NO.C_6H_8O_7\)
   Batch Molecular Weight: 563.65
   Physical Appearance: White solid
   Solubility: ethanol to 5 mM with gentle warming
              DMSO to 100 mM
   Storage: Desiccate at RT
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 99.5% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
      
      | Carbon | Hydrogen | Nitrogen |
      |--------|----------|----------|
      | Theoretical | 68.19 | 6.62 | 2.49 |
      | Found | 67.98 | 6.66 | 2.36 |

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

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Tel:+1 612 379 2956
Product Name: Tamoxifen citrate
Catalog No.: 0999
Batch No.: 4
EC Number: 259-415-2

Description:
Estrogen receptor antagonist/partial agonist. Selective and potent inhibitor of mammalian sterol isomerase. Neuroprotective in female rats in vivo. Also high affinity agonist at the membrane estrogen receptor GPER. Tamoxifen (Cat.No. 6432) is also available.

Physical and Chemical Properties:
- Batch Molecular Formula: C_{28}H_{39}NO.C_{6}H_{5}O_{7}
- Batch Molecular Weight: 563.65
- Physical Appearance: White solid
- Minimum Purity: >99%

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).

Solubility & Usage Info:
- ethanol to 5 mM with gentle warming
- DMSO to 100 mM

Storage: Desiccate at RT

References:

Licensing Information:
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