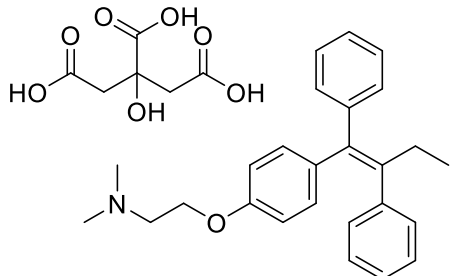




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100800	Tamoxifen citrate	A21K06S28

Chemical name	
(Z)-2-(4-(1,2-diphenylbut-1-en-1-yl)phenoxy)-N,N-dimethylethanamine 2-hydroxypropane-1,2,3-tricarboxylate	
Synonyms	
ICI 46474, ICI-46474, ICI46474, NSC 180973, tamoxifen, tamoxifeni citras, Nolvadex, Novaldex	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100800 Name: Tamoxifen citrate CAS#: 54965-24-1 (citrate) Lot#: A21K06S28 Chemical Formula: C ₃₂ H ₃₇ NO ₈ Molecular Weight: 563.65

Analysis item	Specifications / Results
Appearance	White to off white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 3 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE