

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0602	
Compound name	Tamoxifen citrate	
Chemical name	(Z)-2-[4-(1,2-Diphenyl-1-butenyl)phenoxy]-N,N-dimethylethanamine citrate	
Batch number	E1248-1-1	
Batch molecular formula	C ₃₂ H ₃₉ NO ₈	
Batch molecular weight	565.66	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 50% PAW:BuOH shows one spot under uv	Meets specification: R _f =0.7
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (5 mM, with warming)	Meets specification

Produced by

Signature

Passed by

Signature

Date

14-01-20

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.