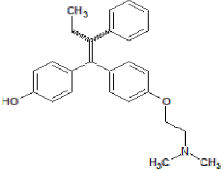


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6040	
Compound name	4-Hydroxytamoxifen ≥70% Z isomer (remainder primarily E-isomer)	
Chemical name	4-(1-[4-(Dimethylaminoethoxy)phenyl]-2-phenyl-1-butenyl)phenol	
Batch number	E2060-2-2	
Batch molecular formula	C ₂₆ H ₂₈ NO ₂ ·0.3H ₂ O	
Batch molecular weight	392.93	
Method	QC requirement	QC Result
NMR	¹ H NMR in MeOD at 400 MHz consistent with structure and showing >70% of the Z isomer	Meets specification: 75.6% Z
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 10% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.25
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (50 mM)	Meets specification

Produced by
Richard Patterson

Signature

Passed by
Steve Roome

Signature

Date

04/11/2022

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