## **Certificate of Analysis**



## **Product Identification**

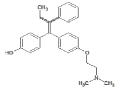
**Chemical Structure** 

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

E2316-2-2 Batch number C<sub>26</sub>H<sub>29</sub>NO<sub>2</sub>.0.4H<sub>2</sub>O Batch molecular formula

Batch molecular weight 394.73



**QC Result** 

Meets specification: 70.8% Z

Meets specification: White solid

Meets specification

Meets specification

**QC** requirement Method

> 1H NMR in MeOD at 400 MHz consistent with structure and showing >70% of the Z isomer

Electrospray positive analysis consistent with structure Meets specification

Elemental analysis is within 0.4% for the batch Microanalysis

molecular formula

TLC analysis in 10% MeOH/DCM shows one spot TLC Meets specification: R<sub>f</sub>=0.25 White to off-white solid

Solubility Soluble in DMSO (100 mM) and in ethanol (50 mM)

Produced by **Richard Patterson** 

Mass spectrum

Physical appearance

Passed by Steve Roome

Signature

Date

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