



Certificate of Analysis

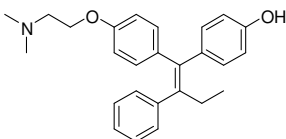
Axon Catalogue ID: 4093 **Batch Number:** 1

Product Name: (Z)-4-Hydroxytamoxifen

Alternative Name(s): (Z)-Afimoxifene

IUPAC Name: (Z)-4-(1-(4-(2-(Dimethylamino)ethoxy)phenyl)-2-phenylbut-1-enyl)phenol

Structure:



Amount:

CAS number(s): 68047-06-3

Molecular Formula: C₂₆H₂₉NO₂

Molecular Weight: 387.51

Batch Molecular Formula: C₂₆H₂₉NO₂·0.25H₂O

Batch Molecular Weight: 392.02

Appearance: White solid

Observed mp: 149.1 - 150.6 °C

TLC (R_f): 0.3 DCM/MeOH (9:1)

Chemical Purity: 99.8%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 79.66, H 7.58, N 3.57; Found: C 79.99, H 7.36, N 3.67

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	39.2	>100 mM	
	EtOH	21.0	53.6	

Remarks:

QC Date: 8-1-2024

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only