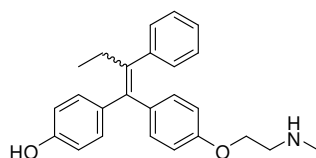




Certificate of Analysis

Axon Catalogue ID: 2190 **Batch Number:** 4
Product Name: Endoxifen
Alternative Name(s): 4OHNDtam; N-Desmethyl-4-hydroxytamoxifen
IUPAC Name: (E/Z)-4-(1-(4-(2-(Methylamino)ethoxy)phenyl)-2-phenylbut-1-enyl)phenol

Structure:



Amount:

CAS number(s): 110025-28-0
Molecular Formula: C₂₅H₂₇NO₂ **Molecular Weight:** 373.49
Batch Molecular Formula: C₂₅H₂₇NO₂·0.25H₂O **Batch Molecular Weight:** 377.99
Appearance: White solid **Observed mp:** 127.2 - 129.5 °C
TLC (R_f): 0.4 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 98.4%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 79.44, H 7.33, N 3.71; Found: C 79.51, H 7.44, N 3.78
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) | 16.0 | 42.3 | |
| | DMSO | 37.8 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 18-11-2019

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