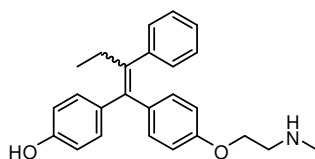




## Certificate of Analysis

**Axon Catalogue ID:** 2190 **Batch Number:** 3  
**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:** C<sub>25</sub>H<sub>27</sub>NO<sub>2</sub> **Molecular Weight:** 373.49  
**Batch Molecular Formula:** C<sub>25</sub>H<sub>27</sub>NO<sub>2</sub> **Batch Molecular Weight:** 373.49  
**Appearance:** Pale-pink solid **Observed mp:** 130.9 - 132.0 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 99.7%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 80.40, H 7.29, N 3.75; Found: C 80.43, H 7.33, N 3.75  
**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)  | 24.0               | 64.3            |            |
|                  | DMSO           | 37.3               | >100 mM         |            |
|                  | EtOH           |                    |                 | Not Tested |

**Remarks:**

**QC Date:** 22-02-2017

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**