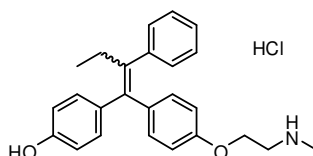




Certificate of Analysis

Axon Catalogue ID: 2707 **Batch Number:** 1
Product Name: Endoxifen hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 4-(1-(4-(2-(Methylamino)ethoxy)phenyl)-2-phenylbut-1-enyl)phenol hydrochloride

Structure:



Amount:

CAS number(s): 110025-28-0 (parent), 1197194-41-4 (HCl (1:1))
Molecular Formula: C₂₅H₂₇NO₂.HCl **Molecular Weight:** 409.95
Batch Molecular Formula: C₂₅H₂₇NO₂.HCl.0.5H₂O **Batch Molecular Weight:** 418.96
Appearance: Grey solid **Observed mp:** 109 - 111 °C
TLC (R_f): 0.2 DCM/MeOH (9:1)
Chemical Purity: 99.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.67, H 6.98, N 3.34; Found: C 71.57, H 6.84, N 3.35
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	41.9	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.0	95.5	
	EtOH			Not Tested

Remarks:

QC Date: 12-04-2017

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only