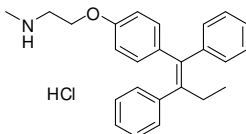




Certificate of Analysis

Axon Catalogue ID: 3986 **Batch Number:** 1
Product Name: N-Desmethyldesmethoxyfen hydrochloride
Alternative Name(s): N.A.
IUPAC Name: (Z)-2-(4-(1,2-Diphenylbut-1-enyl)phenoxy)-N-methylethanamine hydrochloride

Structure:



Amount:

CAS number(s): 31750-48-8 (parent), 15917-65-4 (HCl (1:1))
Molecular Formula: C25H27NO.HCl **Molecular Weight:** 393.95
Batch Molecular Formula: C25H27NO.0.95HCl **Batch Molecular Weight:** 392.13
Appearance: White solid **Observed mp:** 217.5 - 222.5 °C
TLC (R_f): 0.44 DCM/MeOH/NH₃ (40:1:0.1)
Chemical Purity: 99.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 76.57, H 7.18, N 3.57; Found: C 76.83, H 7.22, N 3.70
Storage Conditions: Desiccate at -20 °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	14.4	36.7	

Remarks:

QC Date: 2-8-2023

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