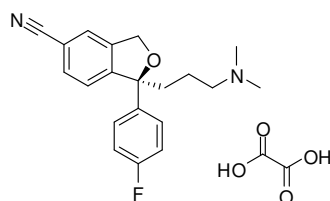




Certificate of Analysis

Axon Catalogue ID: 3315 **Batch Number:** 1
Product Name: Escitalopram oxalate
Alternative Name(s): Cipralex; (S)-(+)-Citalopram oxalate
IUPAC Name: (S)-1-(3-(Dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carbonitrile oxalate

Structure:



Amount:

CAS number(s): 128196-01-0 (parent), 219861-08-2 (oxalate (1:1))
Molecular Formula: C₂₀H₂₁FN₂O.C₂H₂O₄ **Molecular Weight:** 414.43
Batch Molecular Formula: C₂₀H₂₁FN₂O.C₂H₂O₄.0.25H₂O **Batch Molecular Weight:** 418.93
Appearance: White solid **Observed mp:** 150.8 - 152.5 °C
TLC (R_f): 0.51 DCM/MeOH/NH₃ (20:1:0.1)
Chemical Purity: 99.9%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.07, H 5.65, N 6.69; Found: C 63.24, H 5.52, N 6.69
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	37.9	90.4	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	41.9	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 22-01-2021

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