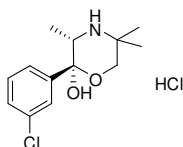




Certificate of Analysis

Axon Catalogue ID: 1123 **Batch Number:** 5
Product Name: Radafaxine hydrochloride
Alternative Name(s): (2S,3S)-Hydroxybupropion hydrochloride; GW 353162A
IUPAC Name: (2S,3S)-2-(3-Chlorophenyl)-3,5,5-trimethylmorpholin-2-ol hydrochloride

Structure:



Amount:

CAS number(s): 192374-14-4 (parent), 106083-71-0 (HCl (1:1))
Molecular Formula: C₁₃H₁₈ClNO₂.HCl **Molecular Weight:** 292.20
Batch Molecular Formula: C₁₃H₁₈ClNO₂.HCl **Batch Molecular Weight:** 292.20
Appearance: White solid **Observed mp:** > 202 °C (decomp)
TLC (R_f): 0.3 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): 99.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 53.44, H 6.55, N 4.79; Found: C 53.47, H 6.75, N 4.78
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	29.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Not Tested
	EtOH			Not Tested

Remarks:

QC Date: 10-8-2021

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