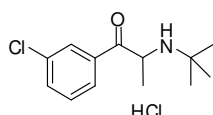




Certificate of Analysis

Axon Catalogue ID: 1451 **Batch Number:** 1
Product Name: Bupropion hydrochloride
Alternative Name(s): BW 322U | BVF 033
IUPAC Name: 2-(tert-Butylamino)-1-(3-chlorophenyl)propan-1-one hydrochloride

Structure:



Amount:

CAS number(s): 34911-55-2 (parent), 74050-98-9 (HCl (1:1))
Molecular Formula: C₁₃H₁₈ClNO.HCl **Molecular Weight:** 276.20
Batch Molecular Formula: C₁₃H₁₈ClNO.HCl **Batch Molecular Weight:** 276.20
Appearance: White solid **Observed mp:** 200 °C (Decomp)
TLC (R_f): 0.72 DCM/MeOH (9:1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.53, H 6.93, N 5.07; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	27.6	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	27.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 13-09-2018

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