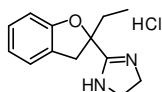


Certificate of Analysis

Axon Catalogue ID: 1155 **Batch Number:** 1
Product Name: Efaroxan hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 2-(2-Ethyl-2,3-dihydrobenzofuran-2-yl)-4,5-dihydro-1H-imidazole hydrochloride

Structure:



Amount:

CAS number(s): 89197-32-0 (parent), 89197-00-2 (HCl (1:1))
Molecular Formula: C₁₃H₁₆N₂O.HCl **Molecular Weight:** 252.74
Batch Molecular Formula: C₁₃H₁₆N₂O.HCl **Batch Molecular Weight:** 252.74
Appearance: White solid **Observed mp:** 249.5 - 250.2 °C
TLC (R_f): 0.1 DCM/MeOH (9:1)
Chemical Purity: 99.4%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.78, H 6.78, N 11.08; Found: C ND, H ND, N ND
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	25.3	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	25.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 25-7-2023

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