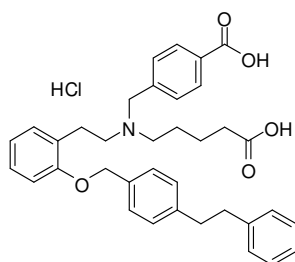




Certificate of Analysis

Axon Catalogue ID: 2172 **Batch Number:** 1
Product Name: BAY 58-2667 hydrochloride
Alternative Name(s): Cinaciguat hydrochloride
IUPAC Name: 4-(((4-Carboxybutyl)(2-(4-phenethylbenzyloxy)phenethyl)amino)methyl)benzoic acid hydrochloride

Structure:



Amount:

CAS number(s): 329773-35-5 (parent), 646995-35-9 (HCl (1:1))
Molecular Formula: C₃₆H₃₉NO₅.HCl **Molecular Weight:** 602.16
Batch Molecular Formula: C₃₆H₃₉NO₅.HCl.0.5H₂O **Batch Molecular Weight:** 611.17
Appearance: White solid **Observed mp:** 149 - 150 °C
TLC (R_f): 0.26 (FB) DCM/MeOH/AcOH (9:1:0.1)
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.75, H 6.76, N 2.29; Found: C 70.59, H 6.74, N 2.31
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	11.0	18.0	
	0.1N HCl (aq)			Not Tested
	DMSO	42.0	68.7	
	EtOH			Not Tested

Remarks:

QC Date: 13-05-2020

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