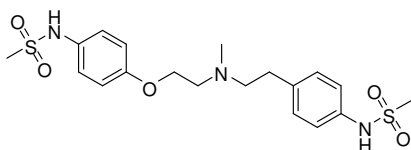




Certificate of Analysis

Axon Catalogue ID: 2103 **Batch Number:** 1
Product Name: Dofetilide
Alternative Name(s): UK 068798
IUPAC Name: N-(4-(2-(Methyl(2-(4-(methylsulfonamido)phenoxy)ethyl)amino)ethyl)phenyl)methanesulfonamide

Structure:



Amount:

CAS number(s): 115256-11-6
Molecular Formula: C₁₉H₂₇N₃O₅S₂ **Molecular Weight:** 441.56
Batch Molecular Formula: C₁₉H₂₇N₃O₅S₂ **Batch Molecular Weight:** 441.56
Appearance: White solid **Observed mp:** 159.5 - 160.0 °C
TLC (R_f): 0.45 DCM/MeOH (9:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 51.68, H 6.16, N 9.51; Found: C 51.52, H 6.09, N 9.49
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	25.0	56.6	
	DMSO	44.2	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 14-01-2020

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