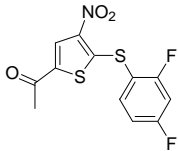




Certificate of Analysis

Axon Catalogue ID:	1906	Batch Number:	1	
Product Name:	P 22077			
Alternative Name(s):	N.A.			
IUPAC Name:	1-(5-(2,4-Difluorophenylthio)-4-nitrothiophen-2-yl)ethanone			
Structure:		Amount:		
CAS number:	1247819-59-5			
Batch Molecular Formula:	C ₁₂ H ₇ F ₂ NO ₃ S ₂	Batch MW:	315.32	
Appearance:	Off-white Foam	Observed m.p.:	149-151°C	
TLC (R_f):	0.2 4:1 Hexane/Ethyl acetate			
Chemical Purity:	99.8%	Wavelength for purity check:	269 nm	
Optical Purity (ee):				
¹H-NMR (300 MHz):	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	C, H, and N fit within 0,4% of theoretical calculation			
Storage Conditions:	Store at	<4°C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	1eq. NaOH			Not Tested
	1eq. HCl			Not Tested
	DMSO	31.5	>100 mM	Very Soluble
	EtOH			Not Tested
Remarks:				
Quality controller:	Erik S. Vermeulen, PhD	Date:	8/8/2012	

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only