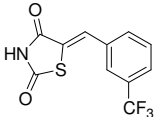




Certificate of Analysis

Axon Catalogue ID:	1923	Batch Number:	1	
Product Name:	SMI-4a			
Alternative Name(s):	N.A.			
IUPAC Name:	5-(3-(Trifluoromethyl)benzylidene)thiazolidine-2,4-dione			
Structure:		Amount:		
CAS number:	327033-36-3			
Batch Molecular Formula:	C ₁₁ H ₆ F ₃ NO ₂ S.0.167H ₂ O	Batch MW:	276.21	
Appearance:	White solid	Observed m.p.:	141-142°C	
TLC (R_f):	0.45 9:1 DCM/Methanol			
Chemical Purity:	98.4%	Wavelength for purity check:	279 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
	NaOH (0.1N (aq))			Not Tested
	HCl (0.1N (aq))			Not Tested
	DMSO	27.3	>100 mM	Very soluble
	EtOH			Not Tested
Remarks:				
Quality controller:	M. Brandsma, MSc.	Date:	11-10-2012	

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