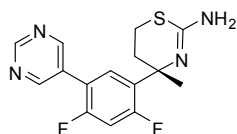




Certificate of Analysis

Axon Catalogue ID: 2225 **Batch Number:** 1
Product Name: LY 2811376
Alternative Name(s): N.A.
IUPAC Name: (S)-4-(2,4-difluoro-5-(pyrimidin-5-yl)phenyl)-4-methyl-5,6-dihydro-4H-1,3-thiazin-2-amine

Structure:



Amount:

CAS number: 1194044-20-6
Batch Molecular Formula: C₁₅H₁₄F₂N₄S .0.125H₂O **Batch MW:** 322.61
Appearance: Pale yellow solid **Observed mp:** 117 - 119 °C
TLC (R_f): 0.4 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.6%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 55.84 , H 4.45 , N 17.37 Found: C 55.81 , H 4.20 , N 17.06
Storage Conditions: Store at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	6.6	20.5	Soluble
	DMSO	11.0	34.1	Soluble
	EtOH	15.0	46.5	Soluble

Remarks:

QC Date: 27-1-2014

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