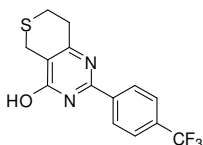




Certificate of Analysis

Axon Catalogue ID: 1527 **Batch Number:** 1
Product Name: XAV 939
Alternative Name(s): NVP-XAV 939
IUPAC Name: 2-(4-(trifluoromethyl)phenyl)-7,8-dihydro-1H-thiopyrano[4,3-d]pyrimidin-4(5H)-one

Structure:



Amount:

CAS number: 284028-89-3
Batch Molecular Formula: C₁₄H₁₁F₃N₂O₂S **Batch MW:** 312.32
Appearance: White solid **Observed mp:** > 260 °C (decomp.)
TLC (R_f): 0.35 EtOAc/Hex (1:4)
Chemical Purity: 99.4%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 53.84 , H 3.55 , N 8.97 Found: C ND , H ND , N ND
Storage Conditions: Desiccate 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)			Not Tested
	DMSO	24.0	76.8	
	EtOH			Not Tested

Remarks:

QC Date: 23-04-2010

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