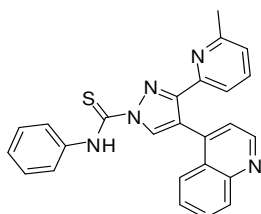


Certificate of Analysis

Axon Catalogue ID: 1421 **Batch Number:** 6
Product Name: A 83-01
Alternative Name(s): N.A.
IUPAC Name: 3-(6-Methylpyridin-2-yl)-N-phenyl-4-(quinolin-4-yl)-1H-pyrazole-1-carbothioamide

Structure:



Amount:

CAS number(s): 909910-43-6
Molecular Formula: C₂₅H₁₉N₅S **Molecular Weight:** 421.52
Batch Molecular Formula: C₂₅H₁₉N₅S.0.25H₂O **Batch Molecular Weight:** 426.02
Appearance: Pale-yellow solid **Observed mp:** 113 °C (decomp)
TLC (R_f): 0.52 Hex/EtOAc/NH₃-MeOH (1:1:0.1)
Chemical Purity: 98.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.48, H 4.61, N 16.44; Found: C 70.68, H 4.48, N 16.71
Storage Conditions: Desiccate at -20 °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)			Not Tested
	DMSO	16.0	37.6	
	EtOH			Not Tested

Remarks: A83-01 is found to slowly decompose in solution to A 77-01 (Axon 1744). Hence it is highly recommended to prepare fresh solutions prior to each experiment. Stock solution(s) (e.g. in DMSO) should be stored at -20 °C (or lower) for a period no longer than one month.

QC Date: 15-07-2020

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