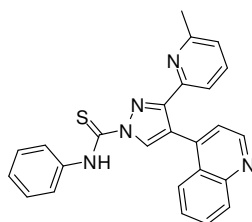


Certificate of Analysis

Axon Catalogue ID: 1421 **Batch Number:** 2
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 **Batch Molecular Weight:** 421.52
Appearance: Pale-yellow solid **Observed mp:** 122 - 124 °C
TLC (R_f): 0.8 Hex/EtOAc/NH₃ (1:1:0.01)
Chemical Purity: 99.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.23, H 4.54, N 16.61; Found: C 71.19, H 4.37, N 16.80
Storage Conditions: Desiccate at -20 °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	15.5	36.8	
	EtOH			Not Tested

Remarks: A 83-01 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: 11-03-2015

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