



Certificate of Analysis

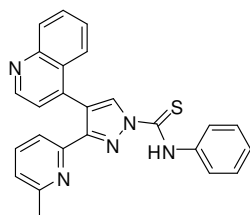
Axon Catalogue ID: 1421 **Batch Number:** 1

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: 909910-43-6

Batch Molecular Formula: C₂₅H₁₉N₅S

Batch MW: 421.52

Appearance: Pale-yellow solid

Observed m.p.: 115°C

TLC (R_f): 0.6 Hex./EtOAc (1:1)

Chemical Purity: 99.3%

Wavelength for purity check: 307 nm

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Not available

Storage Conditions: Store at -20°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not tested.
	1eq. NaOH			Not tested.
	1eq. HCl			Not tested.
	DMSO	17	40	Soluble
	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 to be stored at -20 °C (or lower) for a period no longer than one month.

Quality controller: M. Brandsma, MSc.

Date: 14-10-2011

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