



Certificate of Analysis

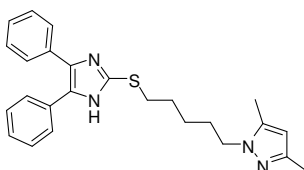
Axon Catalogue ID: 3554 **Batch Number:** 1

Product Name: RP 70676

Alternative Name(s): N.A.

IUPAC Name: 1-(5-(4,5-Diphenyl-1H-imidazol-2-ylthio)pentyl)-3,5-dimethyl-1H-pyrazole

Structure:



Amount:

CAS number(s): 136609-26-2

Molecular Formula: C₂₅H₂₈N₄S **Molecular Weight:** 416.58

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Appearance: White solid **Observed mp:** 54.3 - 58.9 °C

TLC (R_f): 0.5 DCM/MeOH (20:1)

Chemical Purity: 99.4%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 72.08, H 6.77, N 13.45; Found: C 72.15, H 6.99, N 13.64

Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	12.7	30.5	
	DMSO	41.7	>100 mM	
	EtOH	41.7	>100 mM	

Remarks:

QC Date: 26-1-2022

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