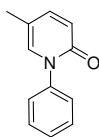




Certificate of Analysis

Axon Catalogue ID: 2647 **Batch Number:** 1
Product Name: Pirfenidone
Alternative Name(s): AMR 69
IUPAC Name: 5-Methyl-1-phenylpyridin-2(1H)-one

Structure:



Amount:

CAS number(s): 53179-13-8
Molecular Formula: C₁₂H₁₁NO **Molecular Weight:** 185.22
Batch Molecular Formula: C₁₂H₁₁NO **Batch Molecular Weight:** 185.22
Appearance: Off-white solid **Observed mp:** 108.0 - 109.4 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.9%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 77.81, H 5.99, N 7.56; Found: C 77.81, H 5.82, N 7.50
Storage Conditions: Store 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	18.5	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 7-1-2022

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