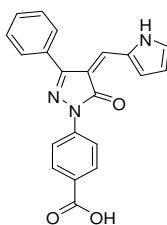


Certificate of Analysis

Axon Catalogue ID: 4011 **Batch Number:** 1
Product Name: MC4171
Alternative Name(s): N.A.
IUPAC Name: (Z)-4-(4-((1H-Pyrrol-2-yl)methylene)-5-oxo-3-phenyl-4,5-dihydro-1H-pyrazol-1-yl)benzoic acid

Structure:



Amount:

CAS number(s): 3034769-78-0
Molecular Formula: C₂₁H₁₅N₃O₃ **Molecular Weight:** 357.36
Batch Molecular Formula: C₂₁H₁₅N₃O₃·0.25H₂O **Batch Molecular Weight:** 361.87
Appearance: Orange solid **Observed mp:** 295 °C
TLC (R_f): 0.42 DCM/MeOH (9:1)
Chemical Purity: 98.9%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.70, H 4.32, N 11.61; Found: C 69.73, H 4.12, N 11.59
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	
	0.1N NaOH (aq)	30.0	82.9	
	0.1N HCl (aq)			Not Tested
	DMSO	35.0	96.7	* Warming (40°C)
	EtOH	3.0	8.3	* Warming (40°C)

Remarks: Electrostatic.
 * Warming (40°C) enhanced solubility.

QC Date: 15-5-2024

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