



Certificate of Analysis

Axon Catalogue ID:	3477	Batch Number:	1
Product Name:	Auxinole		
Alternative Name(s):	N.A.		
IUPAC Name:	4-(2,4-Dimethylphenyl)-2-(1H-indol-3-yl)-4-oxobutanoic acid		
Structure:			Amount:
CAS number(s):	86445-22-9		
Molecular Formula:	C ₂₀ H ₁₉ NO ₃	Molecular Weight:	321.37
Batch Molecular Formula:	C ₂₀ H ₁₉ NO ₃	Batch Molecular Weight:	321.37
Appearance:	White solid	Observed mp:	191.5 - 193.5 °C
TLC (R_f):	0.46	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 74.75, H 5.96, N 4.36; Found: C 74.71, H 6.07, N 4.39		
Storage Conditions:	Store at +4 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)		
	DMSO	32.1	>100 mM
	EtOH	4.4	13.7
Remarks:			
QC Date:	24-9-2021		

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