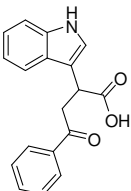




Certificate of Analysis

Axon Catalogue ID:	3907	Batch Number:	1																								
Product Name:	PEO-IAA																										
Alternative Name(s):	N.A.																										
IUPAC Name:	2-(1H-Indol-3-yl)-4-oxo-4-phenylbutanoic acid																										
Structure:		Amount:																									
CAS number(s):	6266-66-6																										
Molecular Formula:	C ₁₈ H ₁₅ NO ₃	Molecular Weight:	293.32																								
Batch Molecular Formula:	C ₁₈ H ₁₅ NO ₃ ·0.25H ₂ O	Batch Molecular Weight:	297.82																								
Appearance:	Off-white solid	Observed mp:	>145 °C (decomp)																								
TLC (R_f):	0.23	DCM/MeOH (20:1)																									
Chemical Purity:	99.6%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 72.59, H 5.25, N 4.70; Found: C 72.50, H 5.26, N 4.71																										
Storage Conditions:	Store at +4 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>0.1N NaOH (aq)</td><td>12.0</td><td>40.3</td><td></td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>29.8</td><td>>100 mM</td><td></td></tr><tr><td>EtOH</td><td>29.8</td><td>>100 mM</td><td></td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	0.0	0.0	Insoluble	0.1N NaOH (aq)	12.0	40.3		0.1N HCl (aq)			Not Tested	DMSO	29.8	>100 mM		EtOH	29.8	>100 mM			
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Remarks:																											
QC Date:	16-6-2023																										

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