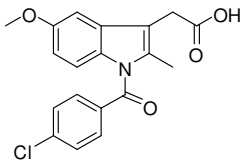
Certificate of Analysis

Axon Catalogue ID:	3318	**Batch Number:**	1
Product Name:	Indomethacin		
Alternative Name(s):	N.A.		
IUPAC Name:	2-(1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indol-3-yl)acetic acid		
Structure:		**Amount:**	
CAS number(s):	53-86-1		
Molecular Formula:	C19H16ClNO4	**Molecular Weight:**	357.79
Batch Molecular Formula:	C19H16ClNO4.0.25H2O	**Batch Molecular Weight:**	362.29
Appearance:	Off-white solid	**Observed mp:**	162.8 - 164.0 °C
TLC (R_f):	0.68 DCM/MeOH (9:1)		
Chemical Purity:	99.9%		
Optical Purity (ee):	N.A.		
1H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 62.99, H 4.59, N 3.87; Found: C 63.11, H 4.40, N 3.96		
Storage Conditions:	Store at +4 °C		

Solubility Data:

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)	6.2	17.1	
0.1N HCl (aq)			Not Tested
DMSO	36.2	>100 mM	
EtOH			Not Tested

Remarks:

QC Date: 11-02-2021

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

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