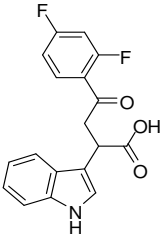


## Certificate of Analysis

<b>Axon Catalogue ID:</b>	3197	<b>Batch Number:</b>	1
<b>Product Name:</b>	Mitochonic acid 5		
<b>Alternative Name(s):</b>	MA-5		
<b>IUPAC Name:</b>	4-(2,4-Difluorophenyl)-2-(1H-indol-3-yl)-4-oxobutanoic acid		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	1354707-41-7		
<b>Molecular Formula:</b>	C18H13F2NO3	<b>Molecular Weight:</b>	329.30
<b>Batch Molecular Formula:</b>	C18H13F2NO3	<b>Batch Molecular Weight:</b>	329.30
<b>Appearance:</b>	Pale-yellow solid	<b>Observed mp:</b>	191.8 - 192.7 °C
<b>TLC (R<sub>f</sub>):</b>	0.5	DCM/MeOH (9:1)	
<b>Chemical Purity:</b>	98.8%		
<b>Optical Purity (ee):</b>	N.A.		
<b><sup>1</sup>H-NMR (300 MHz):</b>	Analytical data confirm chemical structure		
<b>Mass Spec:</b>	Analytical data confirm chemical structure		
<b>Microanalysis:</b>	Calculated: C 65.65, H 3.98, N 4.25; Found: C 65.55, H 3.93, N 4.27		
<b>Storage Conditions:</b>	Store at +4 °C		
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>
	Water	0.0	0.0
	0.1N NaOH (aq)	6.3	19.2
	0.1N HCl (aq)		Not Tested
	DMSO	32.9	>100 mM
	EtOH		Not Tested
<b>Remarks:</b>			
<b>QC Date:</b>	14-09-2020		

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**