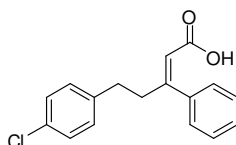




Certificate of Analysis

Axon Catalogue ID: 1659 **Batch Number:** 2
Product Name: PS 48
Alternative Name(s): N.A.
IUPAC Name: (Z)-5-(4-Chlorophenyl)-3-phenylpent-2-enoic acid

Structure:



Amount:

CAS number(s): 1180676-32-7
Molecular Formula: C₁₇H₁₅ClO₂ **Molecular Weight:** 286.75
Batch Molecular Formula: C₁₇H₁₅ClO₂ **Batch Molecular Weight:** 286.75
Appearance: White solid **Observed mp:** 144.6 °C
TLC (R_f): 0.65 DCM/MeOH (9:1)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.21, H 5.27, N 0.00; Found: C 71.13, H 5.31, N < 0.10
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)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.7	>100 mM	
	EtOH	24.7	86.1	

Remarks:

QC Date: 05-02-2019

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