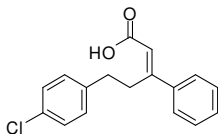




Certificate of Analysis

Axon Catalogue ID: 1664 **Batch Number:** 1
Product Name: PS 47
Alternative Name(s): Inactive isomer of PS 48 (Axon 1659)
IUPAC Name: (E)-5-(4-chlorophenyl)-3-phenylpent-2-enoic acid

Structure:



Amount:

CAS number: 1180676-33-8
Batch Molecular Formula: C₁₇H₁₅ClO₂ **Batch MW:** 286.75
Appearance: White solid **Observed mp:** 125.1 - 126.5 °C
TLC (R_f): 0.8 EtOAc
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.20 , H 5.27 , N 0.00 Found: C ND , H ND , N ND
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.7	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 29-04-2011

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