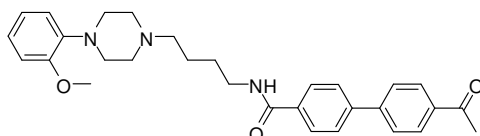


Certificate of Analysis

Axon Catalogue ID: 1347 **Batch Number:** 1
Product Name: GR 103691
Alternative Name(s): N.A.
IUPAC Name: 4'-Acetyl-N-(4-(4-(2-methoxyphenyl)piperazin-1-yl)butyl)biphenyl-4-carboxamide

Structure:



Amount:

CAS number(s): 162408-66-4
Molecular Formula: C₃₀H₃₅N₃O₃ **Molecular Weight:** 485.62
Batch Molecular Formula: C₃₀H₃₅N₃O₃ **Batch Molecular Weight:** 485.62
Appearance: Off-white solid **Observed mp:** 191 - 193 °C (decomp.)
TLC (R_f): 0.4 DCM/MeOH (9:1)
Chemical Purity: 98.2%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 74.20, H 7.26, N 8.65; Found: C ND, H ND, N ND
Storage Conditions: Store at -20°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	9.5	19.6	Requires warming and sonification.
	EtOH	4.0	8.2	

Remarks:

QC Date: 16-05-2018

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