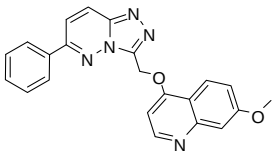
Certificate of Analysis

Axon Catalogue ID:	1916	**Batch Number:**	1
Product Name:	AMG 208		
Alternative Name(s):	N.A.		
IUPAC Name:	7-methoxy-4-((6-phenyl-[1,2,4]triazolo[4,3-b]pyridazin-3-yl)methylphenyl-[1,2,4]triazolo[4,3-b]pyridazin-3-yl)methoxy)quinoline		
Structure:		**Amount:**	
CAS number:	1002304-34-8		
Batch Molecular Formula:	C22H17N5O2.1.25H2O	**Batch MW:**	405.92
Appearance:	off-white solid	**Observed m.p.:**	216.5 - 218 °C
TLC (R_f)**:**	0.66 DCM/MeOH [9:1]		
Chemical Purity:	99.4%	**Wavelength for purity check:**	211 nm
Optical Purity (ee):			
1H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	C, H, and N fit within 0,4% of theoretical calculation		
Storage Conditions:	Store at <4°C		

Solubility Data:

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Not Tested
1eq. NaOH			Not Tested
1eq. HCl	0.1	0.25	Solubility enhanced with DMSO or EtOH
DMSO	0.1	0.25	Low solubility
DMSO/HCl (1:1, v/v)	2.3	5.67	0.1N aq HCl used
EtOH	0.1	0.25	Low solubility
EtOH/HCl (1:1, v/v)	3.5	8.62	0.1N aq HCl used

Remarks: * shows tendency to form gels in organic solvents; poorly soluble in DMSO or Ethanol, however, solubility enhanced with mixing with acidic aq solution.

Quality controller: Erik S. Vermeulen, PhD **Date:** 9/24/2012

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only

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