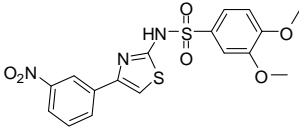




Certificate of Analysis

Axon Catalogue ID:	2139	Batch Number:	1																								
Product Name:	Ro 61-8048																										
Alternative Name(s):	N.A.																										
IUPAC Name:	3,4-Dimethoxy-N-(4-(3-nitrophenyl)thiazol-2-yl)benzenesulfonamide																										
Structure:		Amount:																									
CAS number:	199666-03-0	MW:	421.45																								
Batch Molecular Formula:	C17H15N3O6S2	Batch MW:	421.45																								
Appearance:	Yellow solid	Observed mp:	114 - 116 °C																								
TLC (R_f):	0.5 DCM/MeOH (9:1)																										
Chemical Purity:	99.9%																										
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:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>42.1</td><td>>100 mM</td><td>Soluble</td></tr><tr><td>EtOH</td><td></td><td></td><td>Not Tested</td></tr></tbody></table>	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	42.1	>100 mM	Soluble	EtOH			Not Tested		
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0.1N HCl (aq)			Not Tested																								
DMSO	42.1	>100 mM	Soluble																								
EtOH			Not Tested																								
Remarks:	Microanalysis: Calcd. C 48.45, H 3.59, N 9.97; Found: C 48.14, H 3.48, N 9.78.																										
QC Date:	7/11/2013																										

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