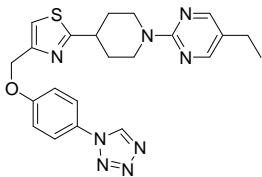




Certificate of Analysis

Axon Catalogue ID:	2092	Batch Number:	1																								
Product Name:	MBX 2982																										
Alternative Name(s):	N.A.																										
IUPAC Name:	4-((4-(1H-tetrazol-1-yl)phenoxy)methyl)-2-(1-(5-ethylpyrimidin-2-yl)piperidin-4-yl)thiazole																										
Structure:		Amount:																									
CAS number:	1037792-44-1	MW:	448.54																								
Batch Molecular Formula:	C ₂₂ H ₂₄ N ₈ O ₂ S	Batch MW:	448.54																								
Appearance:	Off-white solid	Observed mp:	139.5 - 140.2 °C																								
TLC (R_f):	0.75 DMC/MeOH (9:1)																										
Chemical Purity:	98.5%																										
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:	Desiccate 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></td><td></td><td>Not Tested</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>32.0</td><td>71.3</td><td></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			Not Tested	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	32.0	71.3		EtOH			Not Tested		
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DMSO	32.0	71.3																									
EtOH			Not Tested																								
Remarks:	Microanalysis: Calcd. C 58.91, H 5.39, N 24.97; Found C 58.56, H 5.33, N 24.88.																										
QC Date:	6/3/2013																										

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