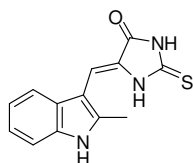


Certificate of Analysis

Axon Catalogue ID: 2232 **Batch Number:** 1
Product Name: PKG drug G1
Alternative Name(s): N.A.
IUPAC Name: 5-((2-Methyl-1H-indol-3-yl)methylene)-2-thioxoimidazolidin-4-one

Structure:



Amount:

CAS number(s): 374703-78-3
Molecular Formula: C₁₃H₁₁N₃O₂ **Molecular Weight:** 257.31
Batch Molecular Formula: C₁₃H₁₁N₃O₂ **Batch Molecular Weight:** 257.31
Appearance: Orange solid **Observed mp:** 290 °C (decomp)
TLC (R_f): 0.53 DCM/MeOH (9:1)
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.68, H 4.31, N 16.33; Found: C 60.30, H 4.14, N 16.63
Storage Conditions: Store at +4 °C

Solubility Data:	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	25.7	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 30-01-2017

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