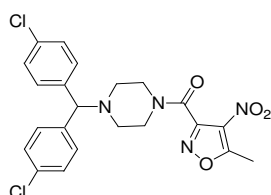




Certificate of Analysis

Axon Catalogue ID: 2017 **Batch Number:** 1
Product Name: ML 210
Alternative Name(s): CID 49766530
IUPAC Name: (4-(Bis(4-chlorophenyl)methyl)piperazin-1-yl)(5-methyl-4-nitroisoxazol-3-yl)methanone

Structure:



Amount:

CAS number(s): 1360705-96-9
Molecular Formula: C₂₂H₂₀Cl₂N₄O₄ **Molecular Weight:** 475.32
Batch Molecular Formula: C₂₂H₂₀Cl₂N₄O₄ **Batch Molecular Weight:** 475.32
Appearance: Off-white solid **Observed mp:** 199 - 200 °C
TLC (R_f): 0.46 Hex/EtOAc (2:1)
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 55.59, H 4.24, N 11.79; Found: C 55.28, H 4.37, N 11.74
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) | 0.0 | 0.0 | Insoluble |
| | DMSO | 47.5 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 11-12-2018

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