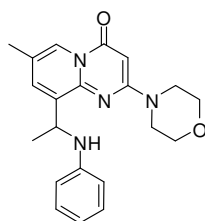




Certificate of Analysis

Axon Catalogue ID: 1417 **Batch Number:** 2
Product Name: TGX 221
Alternative Name(s): N.A.
IUPAC Name: 7-Methyl-2-morpholino-9-(1-(phenylamino)ethyl)-4H-pyrido[1,2-a]pyrimidin-4-one

Structure:



Amount:

CAS number(s): 663619-89-4
Molecular Formula: C₂₁H₂₄N₄O₂ **Molecular Weight:** 364.44
Batch Molecular Formula: C₂₁H₂₄N₄O₂ **Batch Molecular Weight:** 364.44
Appearance: Off-white solid **Observed mp:** 202.5 - 204.4 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 98.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.21, H 6.64, N 15.73; Found: C ND, H ND, N ND
Storage Conditions: Store at -20 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | Water | | | Not Tested |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 18.0 | 49.4 | |
| | EtOH | 4.8 | 13.2 | |

Remarks:

QC Date: 23-08-2019

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