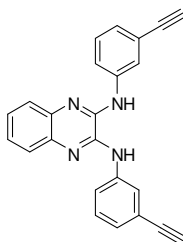




Certificate of Analysis

Axon Catalogue ID: 2700 **Batch Number:** 1
Product Name: TD52
Alternative Name(s): N.A.
IUPAC Name: N2,N3-Bis(3-ethynylphenyl)quinoxaline-2,3-diamine

Structure:



Amount:

CAS number(s): 1798328-24-1
Molecular Formula: C₂₄H₁₆N₄ **Molecular Weight:** 360.41
Batch Molecular Formula: C₂₄H₁₆N₄·0.1H₂O **Batch Molecular Weight:** 362.21
Appearance: Yellow solid **Observed mp:** 165 °C
TLC (R_f): 0.56 DCM/MeOH (9:1)
Chemical Purity: 98.8%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 79.58, H 4.51, N 15.47; Found: C 79.47, H 4.32, N 15.51
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 | 36.2 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 9-9-2022

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