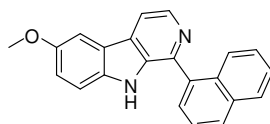




Certificate of Analysis

Axon Catalogue ID: 2437 **Batch Number:** 1
Product Name: SP 141
Alternative Name(s): N.A.
IUPAC Name: 6-Methoxy-1-(naphthalen-1-yl)-9H-pyrido[3,4-b]indole

Structure:



Amount:

CAS number(s): 1253491-42-7
Molecular Formula: C₂₂H₁₆N₂O **Molecular Weight:** 324.38
Batch Molecular Formula: C₂₂H₁₆N₂O.0.1H₂O **Batch Molecular Weight:** 326.18
Appearance: Light-brown solid **Observed mp:** 114.6 °C
TLC (R_f): 0.44 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 81.01, H 5.01, N 8.59; Found: C 81.00, H 4.92, N 8.35
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 | 32.6 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 26-05-2020

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