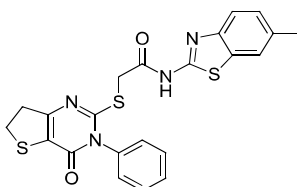




Certificate of Analysis

Axon Catalogue ID: 4370 **Batch Number:** 1
Product Name: IWP-2
Alternative Name(s): N.A.
IUPAC Name: N-(6-Methyl-1,3-benzothiazol-2-yl)(7-oxo-6-phenyl-1-thia-4,6-diaza-5-indanylthio)acetamide

Structure:



Amount:

CAS number(s): 686770-61-6
Molecular Formula: C₂₂H₁₈N₄O₂S₃ **Molecular Weight:** 466.60
Batch Molecular Formula: C₂₂H₁₈N₄O₂S₃ **Batch Molecular Weight:** 466.60
Appearance: Light-yellow solid **Observed mp:** >180 °C (decomp)
TLC (R_f): 0.68 DCM/MeOH (20:1)
Chemical Purity: 98.6%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.63, H 3.89, N 12.01; Found: C 56.48, H 3.81, N 12.38
Storage Conditions: Store at -20 °C

| Solubility Data: | Solvent | Solubility | | Remarks |
|------------------|----------------|------------|------|----------------------------------|
| | | (mg/ml) | (mM) | |
| | Water | 0.0 | 0.0 | Insoluble |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 3.0 | 6.4 | * Warming (40°C) and sonication. |
| | EtOH | 0.0 | 0.0 | Insoluble |

Remarks: * Warming (40°C) and sonication enhanced solubility.

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