



Certificate of Analysis

Axon Catalogue ID: 3517 **Batch Number:** 1
Product Name: DSRM-3716
Alternative Name(s): N.A.
IUPAC Name: 5-Iodoisoquinoline

Structure:



Amount:

CAS number(s): 58142-99-7
Molecular Formula: C₉H₆IN **Molecular Weight:** 255.06
Batch Molecular Formula: C₉H₆IN **Batch Molecular Weight:** 255.06
Appearance: Pale-yellow solid **Observed mp:** 100.2 - 102.3 °C
TLC (R_f): 0.3 Hex/EtOAc (4:1)
Chemical Purity: 99.4%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 42.38, H 2.37, N 5.49; Found: C 42.50, H 2.30, N 5.46
Storage Conditions: Store at -20 °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)	10.8	42.3	* Warming (40°C) and sonication
	DMSO	25.5	>100 mM	
	EtOH	11.6	45.5	

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

QC Date: 21-12-2021

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