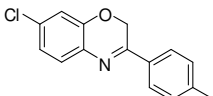




Certificate of Analysis

Axon Catalogue ID: 2679 **Batch Number:** 1
Product Name: AR7
Alternative Name(s): Atypical retinoid 7
IUPAC Name: 7-Chloro-3-p-tolyl-2H-benzo[b][1,4]oxazine

Structure:  **Amount:**

CAS number(s): 80306-38-3
Molecular Formula: C₁₅H₁₂ClNO **Molecular Weight:** 257.71
Batch Molecular Formula: C₁₅H₁₂ClNO **Batch Molecular Weight:** 257.71
Appearance: White solid **Observed mp:** 162 - 163 °C
TLC (R_f): 0.46 Hex/EtOAc (9:1)
Chemical Purity: 99.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.91, H 4.69, N 5.43; Found: C 70.09, H 5.00, N 5.45
Storage Conditions: Store at +4 °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	1.4	5.4	Ultrasonic bath
	EtOH			Not Tested

Remarks:

QC Date: 1-4-2022

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