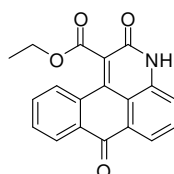




Certificate of Analysis

Axon Catalogue ID: 1814 **Batch Number:** 1
Product Name: NQDI 1
Alternative Name(s): N.A.
IUPAC Name: Ethyl 2,7-dioxo-3,7-dihydro-2H-naphtho[1,2,3-de]quinoline-1-carboxylate

Structure:



Amount:

CAS number(s): 175026-96-7
Molecular Formula: C₁₉H₁₃NO₄ **Molecular Weight:** 319.31
Batch Molecular Formula: C₁₉H₁₃NO₄ **Batch Molecular Weight:** 319.31
Appearance: Orange solid **Observed mp:** 318 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 98.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.47, H 4.10, N 4.39; Found: C ND, H ND, N ND
Storage Conditions: Desiccate 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	5.0	15.7	
	EtOH			Not Tested

Remarks:

QC Date: 12-03-2019

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