



Certificate of Analysis

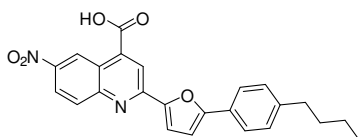
Axon Catalogue ID: 4120 **Batch Number:** 1

Product Name: eIF4A i28

Alternative Name(s): N.A.

IUPAC Name: 2-(5-(4-Butylphenyl)furan-2-yl)-6-nitroquinoline-4-carboxylic acid

Structure:



Amount:

CAS number(s): 2861994-92-3

Molecular Formula: C₂₄H₂₀N₂O₅ **Molecular Weight:** 416.43

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Appearance: Orange solid **Observed mp:** 270 °C (decomp)

TLC (R_f): 0.2 DCM/MeOH (9:1)

Chemical Purity: 98.0%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 69.22, H 4.84, N 6.73; Found: C 69.03, H 4.74, N 6.64

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)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	24.0	57.6	* Warming (40°C)
	EtOH	0.0	0.0	Insoluble

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

QC Date: 27-2-2024

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