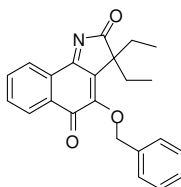


## Certificate of Analysis

**Axon Catalogue ID:** 3215 **Batch Number:** 2  
**Product Name:** RIG012  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-(Benzyloxy)-3,3-diethyl-2H-benzo[g]indole-2,5(3H)-dione

**Structure:**



**Amount:**

**CAS number(s):** 2642218-43-5  
**Molecular Formula:** C<sub>23</sub>H<sub>21</sub>NO<sub>3</sub> **Molecular Weight:** 359.42  
**Batch Molecular Formula:** C<sub>23</sub>H<sub>21</sub>NO<sub>3</sub> **Batch Molecular Weight:** 359.42  
**Appearance:** Red solid **Observed mp:** 161.7 - 164.3 °C  
**TLC (R<sub>f</sub>):** 0.5 Hex/EtOAc (1:1)  
**Chemical Purity:** 99.7%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 76.86, H 5.89, N 3.90; Found: C 76.50, H 5.90, N 3.91  
**Storage Conditions:** Store at +4 °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)			Not Tested
	DMSO	14.4	40.1	
	EtOH	0.0	0.0	Insoluble

**Remarks:**

**QC Date:** 17-5-2023

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**