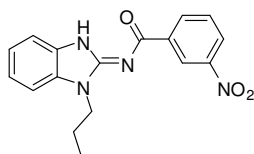




## Certificate of Analysis

**Axon Catalogue ID:** 3217 **Batch Number:** 1  
**Product Name:** HS-243  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 3-Nitro-N-(1-propyl-1H-benzo[d]imidazol-2(3H)-ylidene)benzamide

**Structure:**



**Amount:**

**CAS number(s):** 848249-10-5  
**Molecular Formula:** C<sub>17</sub>H<sub>16</sub>N<sub>4</sub>O<sub>3</sub> **Molecular Weight:** 324.33  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>16</sub>N<sub>4</sub>O<sub>3</sub>.0.25H<sub>2</sub>O **Batch Molecular Weight:** 328.84  
**Appearance:** Pale-yellow solid **Observed mp:** 186 °C  
**TLC (R<sub>f</sub>):** 0.34 Hex/EtOAc (4:1)  
**Chemical Purity:** 100%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.09, H 5.06, N 17.04; Found: C 62.23, H 4.74, N 17.04  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.3	0.9	Insoluble
	DMSO	14.1	42.9	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 03-12-2020

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**