



Certificate of Analysis

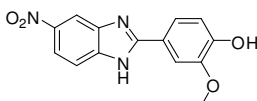
Axon Catalogue ID: 3393 **Batch Number:** 1

Product Name: CB096

Alternative Name(s): N.A.

IUPAC Name: 2-Methoxy-4-(5-nitro-1H-benzo[d]imidazol-2-yl)phenol

Structure:



Amount:

CAS number(s): 108883-90-5

Molecular Formula: C₁₄H₁₁N₃O₄

Molecular Weight: 285.25

Batch Molecular Formula: C₁₄H₁₁N₃O₄·0.25H₂O

Batch Molecular Weight: 289.76

Appearance: Yellow solid

Observed mp: 304.9 - 306.7 °C

TLC (R_f): 0.5 DCM/MeOH (9:1)

Chemical Purity: 99.3%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 58.03, H 4.00, N 14.50; Found: C 58.29, H 3.75, N 14.54

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	29.0	>100 mM	
	EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 11-10-2021

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