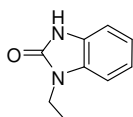




Certificate of Analysis

Axon Catalogue ID: 1313 **Batch Number:** 1
Product Name: 1-EBIO
Alternative Name(s): N.A.
IUPAC Name: 1-Ethyl-1H-benzo[d]imidazol-2(3H)-one

Structure:



Amount:

CAS number(s): 10045-45-1
Molecular Formula: C₉H₁₀N₂O **Molecular Weight:** 162.19
Batch Molecular Formula: C₉H₁₀N₂O **Batch Molecular Weight:** 162.19
Appearance: White solid **Observed mp:** 122 - 123 °C
TLC (R_f): 0.85 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 66.65, H 6.21, N 17.26; Found: C 66.55, H 6.27, N 17.36
Storage Conditions: Store 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	16.0	98.7	
	EtOH	16.2	99.9	

Remarks:

QC Date: 02-11-2017

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