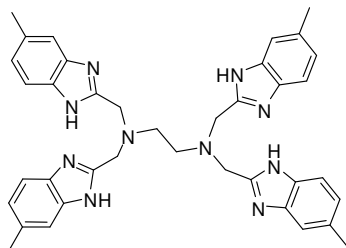


Certificate of Analysis

Axon Catalogue ID: 1402 **Batch Number:** 1
Product Name: NSC 348884
Alternative Name(s): N.A.
IUPAC Name: N,N,N',N'-Tetrakis-(5-methyl-1H-benzoimidazol-2-ylmethyl)-ethane-1,2-diamine

Structure:



Amount:

CAS number(s): 81624-55-7
Molecular Formula: C₃₈H₄₀N₁₀ **Molecular Weight:** 636.79
Batch Molecular Formula: C₃₈H₄₀N₁₀·0.5H₂O **Batch Molecular Weight:** 645.80
Appearance: White solid **Observed mp:** 117 - 120 °C
TLC (R_f): 0.25 DCM/MeOH (9:1)
Chemical Purity: >99%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.67, H 6.40, N 21.69; Found: C 70.44, H 6.14, N 21.67
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	11.4	17.7	
	EtOH			Not Tested

Remarks:

QC Date: 03-09-2018

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