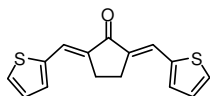




Certificate of Analysis

Axon Catalogue ID: 1821 **Batch Number:** 1
Product Name: CCT007093
Alternative Name(s): N.A.
IUPAC Name: (2E,5E)-2,5-Bis(thiophen-2-ylmethylene)cyclopentanone

Structure:



Amount:

CAS number: 176957-55-4
Batch Molecular Formula: C₁₅H₁₂O S₂ **Batch MW:** 272.39
Appearance: Yellow solid **Observed m.p.:** 230 °C
TLC (R_f): 0.8 97:3 DCM/MeOH
Chemical Purity: 99.0% **Wavelength for purity check:** 254 nm
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Not available

Storage Conditions: Desiccate at <4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not tested
	1eq. NaOH			Not tested
	1eq. HCl			Not tested
	DMSO	5	18	Soluble; slight warming required
	EtOH			Not tested

Remarks:

Quality controller: M. Brandsma, MSc. **Date:** 16-03-2012

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only