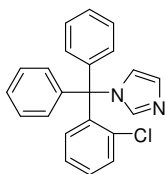


Certificate of Analysis

Axon Catalogue ID: 3163 **Batch Number:** 1
Product Name: Clotrimazole
Alternative Name(s): BAY b 5097
IUPAC Name: 1-((2-Chlorophenyl)diphenylmethyl)-1H-imidazole

Structure:



Amount:

CAS number(s): 23593-75-1
Molecular Formula: C₂₂H₁₇ClN₂ **Molecular Weight:** 344.84
Batch Molecular Formula: C₂₂H₁₇ClN₂ **Batch Molecular Weight:** 344.84
Appearance: White solid **Observed mp:** 145.4 - 146 °C
TLC (R_f): 0.41 DCM (100%)
Chemical Purity: 98.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 76.63, H 4.97, N 8.12; Found: C 76.58, H 4.94, N 8.09
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	14.3	41.4	
	EtOH			Not Tested

Remarks:

QC Date: 27-07-2020

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only