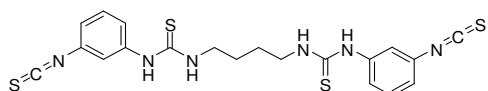




Certificate of Analysis

Axon Catalogue ID: 1862 **Batch Number:** 1
Product Name: MRS 2578
Alternative Name(s): N.A.
IUPAC Name: 1,1'-(Butane-1,4-diyl)bis(3-(3-isothiocyanatophenyl)thiourea)

Structure:



Amount:

CAS number(s): 711019-86-2
Molecular Formula: C₂₀H₂₀N₆S₄ **Molecular Weight:** 472.67
Batch Molecular Formula: C₂₀H₂₀N₆S₄ **Batch Molecular Weight:** 472.67
Appearance: White Solid **Observed mp:** 124 - 126 °C
TLC (R_f): - N.A.
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 50.82, H 4.26, N 17.78; Found: C ND, H ND, N ND
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	47.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 07-06-2012

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