



## Certificate of Analysis

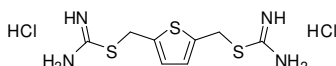
**Axon Catalogue ID:** 2303 **Batch Number:** 1

**Product Name:** R 55

**Alternative Name(s):** TPT 260 dihydrochloride; NSC 55712

**IUPAC Name:** Thiophene-2,5-diylbis(methylene) dicarbamidithioate dihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 769856-81-7 (parent), 2076-91-7 (HCl (1:2))

**Molecular Formula:** C8H12N4S3.2HCl

**Molecular Weight:** 331.98

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**Appearance:** Off-white solid

**Observed mp:** 204 °C (decomp)

**TLC (R<sub>f</sub>):** 0.36 DCM/MeOH/NH<sub>3</sub> (4:1:0.1)

**Chemical Purity:** 98.6%

**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 28.83, H 4.23, N 16.81; Found: C 28.94, H 3.98, N 16.52

**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	33.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	33.2	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 27-10-2020

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**