



## Certificate of Analysis

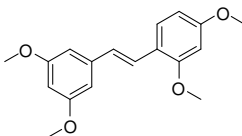
**Axon Catalogue ID:** 2628 **Batch Number:** 1

**Product Name:** TMS

**Alternative Name(s):** Trans-2,3',4,5'-tetramethoxystilbene

**IUPAC Name:** (E)-4,5'-(Ethene-1,2-diyl)bis(1,3-dimethoxybenzene)

**Structure:**



**Amount:**

**CAS number(s):** 24144-92-1

**Molecular Formula:** C<sub>18</sub>H<sub>20</sub>O<sub>4</sub>

**Molecular Weight:** 300.35

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**Batch Molecular Weight:** 300.35

**Appearance:** Inhibitor of cytochrom

**Observed mp:** 82.9 - 84.3 °C

**TLC (R<sub>f</sub>):** 0.69 Hex/EtOAc (4:1)

**Chemical Purity:** 99.2%

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

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

**Microanalysis:** Calculated: C 71.98, H 6.71, N -; Found: C 72.13, H 6.73, N <0.10

**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			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	27.3	90.9	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 22-11-2021

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**