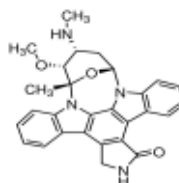


## Certificate of Analysis

Product Name:

Staurosporine from *Streptomyces* sp. – ≥98% (HPLC), film

**Product Number:** S4400  
**Batch Number:** 14180418  
**Brand:** SIGMA  
**CAS Number:** 62996-74-1  
**Formula:** C<sub>28</sub>H<sub>26</sub>N<sub>4</sub>O<sub>3</sub>  
**Formula Weight:** 466,53 g/mol  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 10 JUN 2018  
**Date Retested:** 22 MAY 2020  
**Recommended Retest Date:** MAY 2025



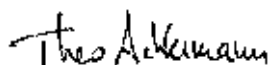
Test	Specification	Result
Appearance (Form)	Conforms	Conforms
Film (Dried In Situ)		
Solubility (Solvent)	Methanol	Methanol
Solubility (Conc)	1.96 - 2.04 mg/ml	2.00 mg/ml
Solubility (Heating)	Yes or No	No
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Colorless to Faint Yellow	Colorless
NMR (Solvent)	DMSO-d6	DMSO-d6
Identity by NMR	Consistent	Consistent with Control
NMR (Residual Solvent 1)	Petroleum Ether	Petroleum Ether
NMR (% Solvent 1)	≤ 5.00 %	0.45 %
NMR (Residual Solvent 2)	Dichloromethane	Dichloromethane
NMR (% Solvent 2)	≤ 5.00 %	1.37 %
NMR (Total % Resid.Solvents)	≤ 5.00 %	1.82 %
Purity (HPLC)	≥ 98.00 %	98.89 %
Vial Content (Actual Content)	≥ 0.0000	0.1082
Vial Content (Size)	≥ 0.00	0.10
Vial Content (Unit Of Measure)	mg	mg
Vial Content (Overpack)	≤ 20.00 %	8.15 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



## Certificate of Analysis

**Product Number:** S4400  
**Batch Number:** 14180418



Theo Ackermann PhD MScEng CQM  
Manager, Quality and Regulatory Affairs  
Jerusalem, Israel IL

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