

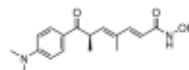
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## Product Specification

Product Name:  
Trichostatin A – ≥98% (HPLC), from Streptomyces sp.

Product Number: **T8552**  
CAS Number: 58880-19-6



Formula: C<sub>17</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>  
Formula Weight: 302.4 AMU

### TEST

### Specification

Appearance (Form)	Powder
Appearance (Colour)	White to Faint Yellow
Solubility (Solvent)	Methanol
Solubility (Conc)	1.90 - 2.10 mg/ml
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless to Faint Yellow/Tan
Water (by Karl Fischer)	
Elemental Anal. (%C anhydrous)	67.03 - 68.03 %
Elemental Anal. (%N anhydrous)	8.77 - 9.77 %
Purity (HPLC)	≥ 98.00 %
NMR (Solvent)	CDCl <sub>3</sub>
Identity by NMR	Consistent
NMR (Residual Solvent 1)	Acetonitrile
NMR (% Solvent 1)	≤ 1.00 %
NMR (Residual Solvent 2)	Ethylacetate
NMR (% Solvent 2)	≤ 1.00 %
NMR (Residual Solvent 3)	Petroleum Ether
NMR (% Solvent 3)	≤ 1.00 %
NMR (Total % Resid.Solvents)	≤ 1.00 %
Recommended Retest Period	-----
3 Years	

Specification: PRE.2.ZQ5.1000000987

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.