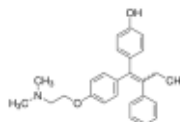


## Product Specification

Product Name:  
4-Hydroxytamoxifen - ≥70% Z isomer (remainder primarily E-isomer)

Product Number: **H6278**  
CAS Number: 68392-35-8  
Formula: C<sub>26</sub>H<sub>29</sub>NO<sub>2</sub>  
Formula Weight: 387,51 g/mol  
Storage Temperature: 2 - 8 °C



TEST	Specification
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Appearance (Form)	Powder
Appearance (Colour)	White to White w/ Yellow Cast
Solubility (Solvent)	Ethanol
Solubility (Conc)	24.50 - 25.50 mg/ml
Solubility (Heating)	Yes
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless to Faint Yellow
Water (by Karl Fischer)	
Elemental Anal. (%C anhydrous)	80.08 - 81.08 %
Elemental Anal. (%N anhydrous)	3.11 - 4.11 %
Purity (TLC)	≥ 98.00 %
Purity (HPLC)	≥ 98.00 %
NMR (Solvent)	CD <sub>3</sub> OD
Identity by NMR	Consistent
NMR (% Isomer Z)	70.00 - 90.00 %
NMR (% Isomer E)	10.00 - 30.00 %
NMR (Residual Solvent 1)	Diethylether
NMR (% Solvent 1)	≤ 3.00 %
NMR (Residual Solvent 2)	Ethanol
NMR (% Solvent 2)	≤ 3.00 %
NMR (Total % Resid.Solvents)	≤ 3.00 %
Recommended Retest Period	-----
3 Years	

Specification: PRE.1.ZQ5.10000001077

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.

