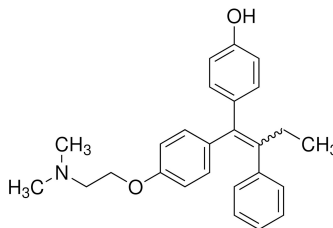


Certificate of Analysis

Product Name : 4-Hydroxytamoxifen analytical standard, (E) and (Z) isomers (50:50)
Product Number : T176-50MG
Batch Number : 0000336132
Source Batch : 0000326177
CAS Number : 68392-35-8
Molecular Formula : C₂₆H₂₉NO₂
Formula Weight : 387.51 g/mol
Quality Release Date : 12 Apr 2024



Test	Specification	Result
Appearance (Color)	White to Off White	Off White
Appearance (Form)	Powder	Powder
Solubility (Turbidity)	Clear	Clear
25 mg/mL, EtOH		
Solubility (Color)	Colorless to Faint Yellow	Colorless
Water (by Karl Fischer)	≤ 5.0 %	0.2 %
Proton NMR Spectrum	Conforms to Structure	Conforms
Carbon (anhydrous)	78.6 - 82.6 %	80.4 %
Nitrogen (anhydrous)	3.3 - 3.9 %	3.6 %
NMR (Total % Resid.Solvents)	≤ 1.1 %	0.0 %
Purity (HPLC)	≥ 98 %	99 %

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Missouri

US

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. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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