

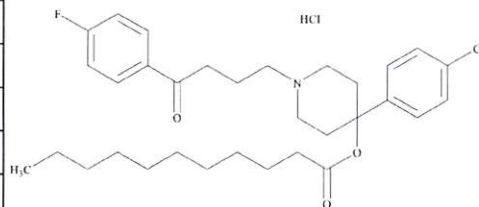
## Certificate of Analysis

Certificate No.: 20231213017


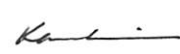
Date: December 13, 2023

Retest date: December 8, 2026

<b>Compound Name:</b> Haloperidol Decanoate EP Impurity J HCl	
<b>Synonyms:</b>	4-(4-chlorophenyl)-1-(4-(4-fluorophenyl)-4-oxobutyl)piperidin-4-yl undecanoate, hydrochloride (1:1)
<b>TLC Catalogue Number:</b>	H-0133
<b>CAS Number:</b>	1797983-18-6 (free base)
<b>Molecular Weight:</b>	544.16 36.46
<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>43</sub> ClFNO <sub>3</sub> · HCl
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	3750-015A4
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Acetonitrile, DMSO, DMF



Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.1%</b>
<b>Impurity (HPLC)</b>	RT 5.78, 0.11%; RT 10.91, 0.33%; RT 15.02, 0.11%	
<b>Water Content (KF)</b>	N/A	<b>0.4%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>98.7%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		12 / 14 / 2023
Approved by:	Quality Assurance		12/14/2023

**Attachments:** HPLC, IR, MS and NMR spectra.