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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

Product Name: Haloperidol N-Oxide Impurity

Identification:

Chemical Name: 4-[4-(4-Chlorophenyl)-4-hydroxy-1-oxido-1-piperidiny]-1-(4-fluorophenyl)-1-butanone ; 4-[4-(4-Chlorophenyl)-4-hydroxy-1-oxido-1-piperidiny]-1-(4-fluorophenyl)-1-butanone

Synonyms : NA

CAS Number : 148406-51-3

CAT Number : CP-H1023

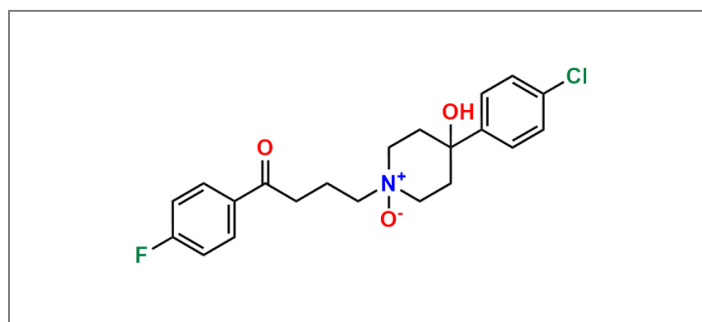
Molecular Formula : C₂₁H₂₃ClFNO₃

Molecular Weight : 391.9

Batch Number : CHEM-HAL-H

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Yellow Solid
2)	Solubility	Soluble in Methanol/CD ₃ CN+D ₂ O
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.03%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.705%
9)	Potency by TGA	95.35%



Prepared and Reviewed By

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe
(Quality Control)

Approved By

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.