



CERTIFICATE OF ANALYSIS

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1. Identification

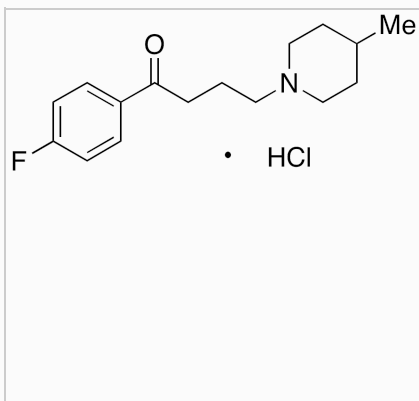
Catalogue Number: M216800

CAS Number: 1622-79-3

Product: Melperone Hydrochloride

Synonym: 1-(4-Fluorophenyl)-4-(4-methyl-1-piperidiny)-1-butanone; Methylperone Hydrochloride; Flubuperone Hydrochloride; 4-Fluoro-γ-(4-methylpiperidino)butyrophenone Hydrochloride; 4'-Fluoro-4-(4-methylpiperidino)butyrophenone Hydrochloride; Buronil Hydrochloride; FG 5111 Hydrochloride; γ-(4-Methylpiperidino)-p-fluorobutyrophenone Hydrochloride;

Structure:



Molecular Formula:

C₁₆H₂₂FN.O. HCl

Molecular weight:

299.81

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly), Water
(Slightly)

Lot Number: 15-IHB-59-2

Purity: 96%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Brown Solid	Light Brown to Brown Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.54% (250 nm)
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	11.0%

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	8/5/2022	8/3/2026
				