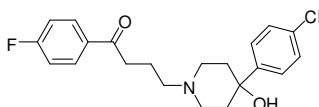




Certificate of Analysis

Axon Catalogue ID: 3610 **Batch Number:** 1
Product Name: Haloperidol
Alternative Name(s): N.A.
IUPAC Name: 4-(4-(4-Chlorophenyl)-4-hydroxypiperidin-1-yl)-1-(4-fluorophenyl)butan-1-one

Structure:



Amount:

CAS number(s): 52-86-8
Molecular Formula: C₂₁H₂₃ClFNO₂ **Molecular Weight:** 375.86
Batch Molecular Formula: C₂₁H₂₃ClFNO₂ **Batch Molecular Weight:** 375.86
Appearance: White solid **Observed mp:** 152.2 - 153.9 °C
TLC (R_f): 0.7 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.6%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.11, H 6.17, N 3.73; Found: C 67.24, H 6.14, N 3.70
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	24.8	66.0	
	EtOH	17.9	47.7	* Warming (40°C)

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 14-4-2022

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only