



Certificate of Analysis

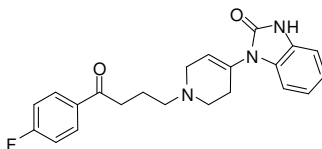
Axon Catalogue ID: 1554 **Batch Number:** 1

Product Name: Droperidol

Alternative Name(s): R 4749; Droleptan; Dridol

IUPAC Name: 1-(1-(4-(4-Fluorophenyl)-4-oxobutyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-benzo[d]imidazol-2(3H)-one

Structure:



Amount:

CAS number(s): 548-73-2

Molecular Formula: C₂₂H₂₂FN₃O₂ **Molecular Weight:** 379.43

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Appearance: Pale-yellow solid **Observed mp:** 129 - 150 °C

TLC (R_f): 0.4 DCM/MeOH (9:1)

Chemical Purity: 98.4%

Optical Purity (ee): N.A.

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 69.64, H 5.84, N 11.07; Found: C ND, H ND, N ND

Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	37.9	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 15-11-2021

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