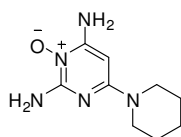




Certificate of Analysis

Axon Catalogue ID: 3490 **Batch Number:** 1
Product Name: Minoxidil
Alternative Name(s): N.A.
IUPAC Name: 2,6-Diamino-4-(piperidin-1-yl)pyrimidine 1-oxide

Structure:



Amount:

CAS number(s): 38304-91-5
Molecular Formula: C₉H₁₅N₅O **Molecular Weight:** 209.25
Batch Molecular Formula: C₉H₁₅N₅O **Batch Molecular Weight:** 209.25
Appearance: White solid **Observed mp:** >220 °C (decomp)
TLC (R_f): 0.28 DCM/MeOH (9:1)
Chemical Purity: 99.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 51.66, H 7.23, N 33.47; Found: C 51.66, H 7.28, N 33.55
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)			Not Tested
	DMSO	3.9	18.5	* Warming (40°C) and sonication
	EtOH	4.0	19.1	* Warming (40°C) and sonication

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

QC Date: 20-10-2021

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