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## DATASHEET

Minoxidil

### Product overview

<b>Name</b>	Minoxidil
<b>Cat No</b>	HB1094
<b>Biological action</b>	Activator
<b>Purity</b>	>99%
<b>Description</b>	K <sub>ir</sub> 6 channel activator

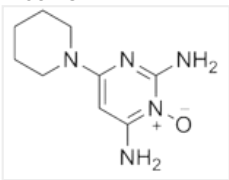
### Biological Data

<b>Biological description</b>	K <sub>ir</sub> 6 (K <sub>ATP</sub> ) channel activator. Shows actions against hypertension and alopecia.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in ethanol (25mM, gentle warming) or DMSO (25mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	6-(1-Piperidiny)-2,4-pyrimidinediamine3-oxide
<b>Molecular Weight</b>	209.25
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>15</sub> N <sub>5</sub> O
<b>CAS Number</b>	38304-91-5
<b>PubChem identifier</b>	4201
<b>SMILES</b>	NC1=CC(=NC(N)=[N+]1[O-])N1CCCCC1
<b>InChiKey</b>	ZIMGGGWCDYVHOY-UHFFFAOYSA-N

### References

**Effects of the arterial vasodilator minoxidil on cardiovascular structure and sympathetic activity in spontaneously hypertensive rats.**

Tsoporis J *et al* (1993) J Hypertens 11(12)

**PubMedID** [8133016](#)

**Minoxidil upregulates the expression of vascular endothelial growth factor in human hair dermal papilla cells.**

Lachgar S *et al* (1998) Br J Dermatol 138(3)

