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DATASHEET

Minoxidil

Product overview

Name	Minoxidil
Cat No	HB1094
Biological action	Activator
Purity	>99%
Description	K _{ir} 6 channel activator

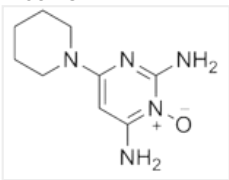
Biological Data

Biological description	K _{ir} 6 (K _{ATP}) channel activator. Shows actions against hypertension and alopecia.
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Solubility & Handling

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

Chemical Data

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

