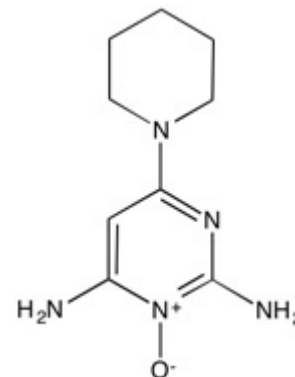


Minoxidil, K-ATP channel opener

Catalog	Unit
TBI1214-100MG	100 mg
TBI1214-500MG	500 mg

Product Details

Formal Name: 6-Piperidine-1-ylpyrimidine-2,4-diamine 3-oxide
Molecular Formula: C₉H₁₅N₅O
Formula Weight: 209.25
CAS Number: 38304-91-5
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 5 mg/ml) or in Ethanol (up to 5 mg/ml).
Storage: RT
Stability: ≥ 2 years.



Applications

K-ATP channel opener

Functions

Minoxidil is a direct antihypertensive peripheral vasodilator acting via activation of KATP channels leading to relaxation of smooth muscle. Active metabolite is Minoxidil sulfate (IC₅₀ = 0.14 μM). Mainly used as a treatment for alopecia because of its observed hair regrowth ability.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml) or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 3 months.

For research use only.