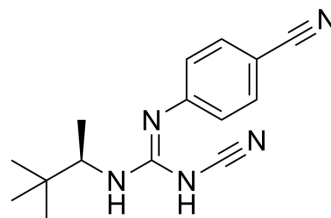


Naminidil

| | | | |
|--------------------|------------------------------------------------|-------|---------|
| Cat. No.: | HY-100276 | | |
| CAS No.: | 220641-11-2 | | |
| Molecular Formula: | C ₁₅ H ₁₉ N ₅ | | |
| Molecular Weight: | 269.34 | | |
| Target: | Potassium Channel | | |
| Pathway: | Membrane Transporter/Ion Channel | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 2 years |
| | | -20°C | 1 year |



SOLVENT & SOLUBILITY

| | | | | | | |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-----------|------------|------------|
| In Vitro | DMSO : 125 mg/mL (464.10 mM; Need ultrasonic) | | | | | |
| | | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | | 3.7128 mL | 18.5639 mL | 37.1278 mL |
| | | 5 mM | | 0.7426 mL | 3.7128 mL | 7.4256 mL |
| 10 mM | | | 0.3713 mL | 1.8564 mL | 3.7128 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.72 mM); Clear solution | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.72 mM); Clear solution | | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.72 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Naminidil is a cyanoguanidine K _{ATP} opener. |
| IC ₅₀ & Target | Potassium Channel ^[1] |
| In Vitro | Naminidil works through the potassium (K) channel ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Nora Chew, et al. Topical delivery of anti-alopecia agents. US20040096405A1.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA