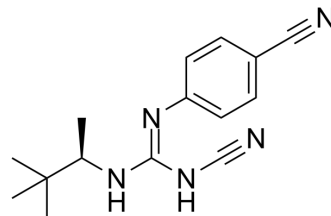


Naminidil

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	<ol style="list-style-type: none"> 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 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 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.
IC₅₀ & 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.

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