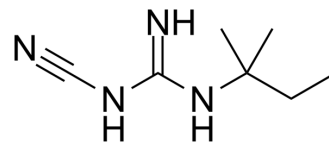


## Guancydine

<b>Cat. No.:</b>	HY-101554		
<b>CAS No.:</b>	1113-10-6		
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>14</sub> N <sub>4</sub>		
<b>Molecular Weight:</b>	154.21		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 125 mg/mL (810.58 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.4847 mL	32.4233 mL	64.8466 mL
	5 mM	1.2969 mL	6.4847 mL	12.9693 mL
	10 mM	0.6485 mL	3.2423 mL	6.4847 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.08 mg/mL (13.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.08 mg/mL (13.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.08 mg/mL (13.49 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Guancydine (Guancidine) is an antihypertensive agent<sup>[1]</sup>.

### REFERENCES

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

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