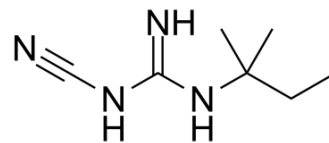


## Guancydine

Cat. No.:	HY-101554		
CAS No.:	1113-10-6		
Molecular Formula:	C <sub>7</sub> H <sub>14</sub> N <sub>4</sub>		
Molecular Weight:	154.21		
Target:	Others		
Pathway:	Others		
Storage:	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.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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 >> 90% corn oil**  
Solubility: ≥ 2.08 mg/mL (13.49 mM); Clear solution
- 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

### BIOLOGICAL ACTIVITY

#### Description

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

### REFERENCES

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[1]. Clark DW, et al. Guancydine: a new antihypertensive agent. Use with quinethazone and guanethidine or propranolol. Ann Intern Med. 1972 Apr;76(4):579-85.

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**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](mailto:tech@MedChemExpress.com)

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