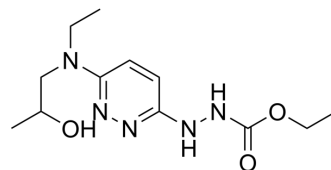


## Cadralazine

<b>Cat. No.:</b>	HY-106538		
<b>CAS No.:</b>	64241-34-5		
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>21</sub> N <sub>5</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	283.33		
<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 : 250 mg/mL (882.36 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5295 mL	17.6473 mL	35.2945 mL
	5 mM	0.7059 mL	3.5295 mL	7.0589 mL
	10 mM	0.3529 mL	1.7647 mL	3.5295 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 (7.34 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (7.34 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (7.34 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Cadralazine (ISF 2469) is an orally active antihypertensive agent. Cadralazine is a peripheral arteriolar vasodilator<sup>[1]</sup>.

### REFERENCES

[1]. K Takeyama, et al. Antihypertensive activity of cadralazine in experimental hypertensive rats. Arch Int Pharmacodyn Ther. Jan-Feb 1988;291:163-74.

---

**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