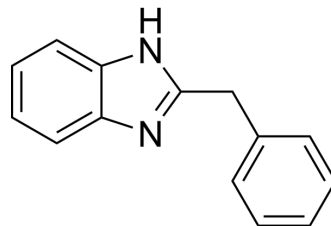


## Bendazol

Cat. No.:	HY-B2141		
CAS No.:	621-72-7		
Molecular Formula:	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub>		
Molecular Weight:	208.26		
Target:	NO Synthase		
Pathway:	Immunology/Inflammation		
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 : 100 mg/mL (480.17 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	4.8017 mL	24.0085 mL	48.0169 mL
	5 mM	0.9603 mL	4.8017 mL	9.6034 mL
	10 mM	0.4802 mL	2.4008 mL	4.8017 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: ≥ 2.5 mg/mL (12.00 mM); Clear solution			

### BIOLOGICAL ACTIVITY

Description	Bendazol is a hypotensive agent which can also enhance NO synthase activity in renal glomeruli and collecting tubules.
IC <sub>50</sub> & Target	NO synthase <sup>[1]</sup>

### REFERENCES

[1]. Eliseeva EV, et al. Effect of Hypotensive Drugs on Dynamics of Nitroxide-Producing Renal Function in Rats with Nephrogenic Hypertension. Bull Exp Biol Med. 2017 Jan;162(3):357-361.

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

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