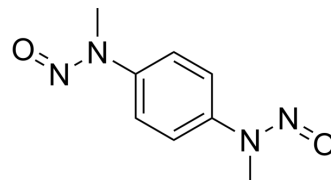


BNN3

Cat. No.:	HY-153056		
CAS No.:	6947-38-2		
Molecular Formula:	C ₈ H ₁₀ N ₄ O ₂		
Molecular Weight:	194.19		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (257.48 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	5.1496 mL	25.7480 mL	51.4960 mL
			5 mM	1.0299 mL	5.1496 mL	10.2992 mL
			10 mM	0.5150 mL	2.5748 mL	5.1496 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (6.44 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	BNN3 is a caged nitric oxide (NO) donor. BNN3 is membrane-permeant and incorporated in the lipid membrane ^[1] .
In Vitro	BNN3 produces NO with a xenon lamp or laser flashlight, λ _{Em (max)} : ~300 nm ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Namiki S, et, al. Bis-N-nitroso-caged nitric oxides: photochemistry and biological performance test by rat aorta vasorelaxation. *Bioorg Med Chem*. 1999 Aug;7(8):1695-702.

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

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