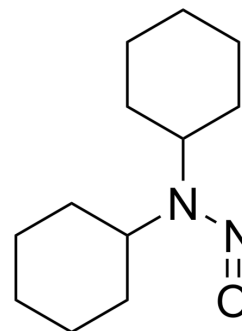


N-Nitrosodicyclohexylamine

Cat. No.:	HY-W653723	
CAS No.:	947-92-2	
Molecular Formula:	C ₁₂ H ₂₂ N ₂ O	
Molecular Weight:	210.32	
Target:	Androgen Receptor	
Pathway:	Vitamin D Related/Nuclear Receptor	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (237.73 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.7547 mL	23.7733 mL	47.5466 mL
5 mM	0.9509 mL	4.7547 mL	9.5093 mL
10 mM	0.4755 mL	2.3773 mL	4.7547 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: ≥ 2.5 mg/mL (11.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-Nitrosodicyclohexylamine (NDCHA) is a N-nitrosocompound with anti-androgenic activities. N-Nitrosodicyclohexylamine shows the competitive binding to androgen receptor (AR) against 5 α -dihydrotestosterone and decreased the level of AR protein^[1].

REFERENCES

[1]. Hari, Sayaka, et al. (2006). Anti-Androgenic Activity of N-Nitrosodibenzylamine, N-Nitrosodiphenylamine and N-Nitrosodicyclohexylamine. JOURNAL OF HEALTH SCIENCE, 52(5), 522-531.

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

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