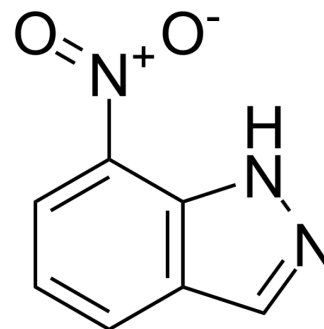


7-Nitroindazole

Cat. No.:	HY-69019		
CAS No.:	2942-42-9		
Molecular Formula:	C ₇ H ₅ N ₃ O ₂		
Molecular Weight:	163.13		
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 (613.01 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.1301 mL	30.6504 mL	61.3008 mL
	5 mM	1.2260 mL	6.1301 mL	12.2602 mL
	10 mM	0.6130 mL	3.0650 mL	6.1301 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 (15.33 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

7-Nitroindazole is a selective nNOS inhibitor with antinociceptive and cardiovascular effects. 7-Nitroindazole is a useful tool to evaluate the biological roles of nitric oxide in the central nervous system^{[1][2]}.

CUSTOMER VALIDATION

- Biomed Pharmacother. 2023 Aug 10;166:115197.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Moore PK, et al. 7-Nitro indazole, an inhibitor of nitric oxide synthase, exhibits anti-nociceptive activity in the mouse without increasing blood pressure. Br J Pharmacol. 1993 Feb;108(2):296-7.

[2]. Moore PK, et al. Characterization of the novel nitric oxide synthase inhibitor 7-nitro indazole and related indazoles: antinociceptive and cardiovascular effects. Br J Pharmacol. 1993 Sep;110(1):219-24.

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

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