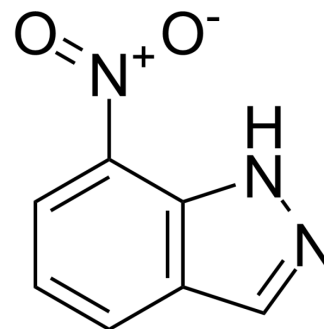


7-Nitroindazole

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)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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.

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.

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