

Certificate of Analysis

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Product Name: 7-Nitroindazole

Catalog No.: 0602

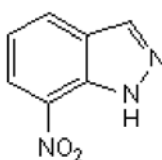
Batch No.: 6

CAS Number: 2942-42-9

EC Number: 220-934-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₅N₃O₂
Batch Molecular Weight: 163.14
Physical Appearance: Light orange solid
Solubility: DMSO to 100 mM
ethanol to 20 mM
Storage: Desiccate at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: Between 187 - 189°C
HPLC: Shows 98.1% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.54	3.09	25.76
Found	51.56	3.08	25.79

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: 7-Nitroindazole

Catalog No.: 0602

Batch No.: 6

CAS Number: 2942-42-9

EC Number: 220-934-4

Description:

Reversible, competitive and non-selective NOS inhibitor. Monosodium Salt also available.

Physical and Chemical Properties:

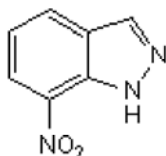
Batch Molecular Formula: C₇H₅N₃O₂

Batch Molecular Weight: 163.14

Physical Appearance: Light orange solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 20 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Moore and Handy (1997) Selective inhibitors of neuronal nitric oxide synthase - is no NOS really good NOS for the nervous system? *TiPS* **18** 204. PMID: 9226999.

Babbedge et al (1993) Inhibition of rat cerebellar nitric oxide synthase by 7-nitroindazole and related substituted indazoles. *Br.J.Pharmacol.* **110** 225. PMID: 7693279.

Moore et al (1993) 7-nitroindazole, an inhibitor of nitric oxide synthase, exhibits antinociceptive activity in the mouse without increasing blood pressure. *Br.J.Pharmacol.* **108** 296. PMID: 7680591.

Moore et al (1993) Characterisation of the novel nitric oxide synthase inhibitor 7-nitroindazole and related indazoles: antinociceptive and cardiovascular effects. *Br.J.Pharmacol.* **110** 219. PMID: 7693278.

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