

Certificate of Analysis

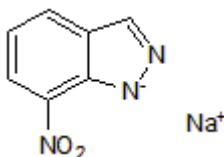
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Product Name: 7-NINA
CAS Number: 161467-34-1
IUPAC Name: 7-Nitroindazole monosodium salt

Catalog No.: 0800 **Batch No.:** 5
EC Number: 220-934-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₄N₃O₂Na.0.3H₂O
Batch Molecular Weight: 191.13
Physical Appearance: Red solid
Solubility: water to 2 mM
DMSO to 50 mM
Storage: Desiccate at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.6 (Ethyl acetate:Petroleum ether [1:1])
HPLC: Shows >99.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	44.13	2.43	22.06
Found	44.49	2.23	21.67

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

Product Name: 7-NINA

CAS Number: 161467-34-1

IUPAC Name: 7-Nitroindazole monosodium salt

Catalog No.: 0800

EC Number: 220-934-4

Batch No.: 5

Description:

Sodium salt of the non-selective NOS inhibitor 7-nitroindazole (Cat. No. 0602).

Physical and Chemical Properties:

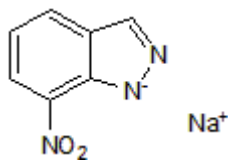
Batch Molecular Formula: C₇H₄N₃O₂Na.0.3H₂O

Batch Molecular Weight: 191.13

Physical Appearance: Red solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at -20°C

Solubility & Usage Info:

water to 2 mM

DMSO to 50 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:

Silva et al (1995) Increased striatal dopamine efflux *in vivo* following inhibition of cerebral nitric oxide synthase by the novel monosodium salt of 7-nitroindazole. *Br.J.Pharmacol.* **114** 257. PMID: 7533610.

O'Neill et al (1996) Neuroprotective effects of 7-nitroindazole in the gerbil model of global cerebral ischaemia. *Eur.J.Pharmacol.* **310** 115. PMID: 8884206.

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