

Certificate of Analysis

Product Name: 3-Bromo-7-nitroindazole

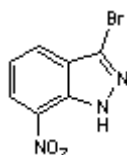
Catalog No.: 0735

Batch No.: 7

CAS Number: 74209-34-0

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₄BrN₃O₂
Batch Molecular Weight: 242.03
Physical Appearance: Light brown solid
Solubility: DMSO to 100 mM
ethanol to 50 mM
Storage: Desiccate at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: At 182°C
HPLC: Shows >98.5% purity
¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	34.74	1.67	17.36
Found	35.03	1.6	17.07

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

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Catalog No.: 0735

Batch No.: 7

CAS Number: 74209-34-0

Description:

Potent inhibitor of rat cerebellar nitric oxide synthase; more potent than 7-nitroindazole (Cat. No. 0602).

Physical and Chemical Properties:

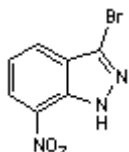
Batch Molecular Formula: C₇H₄BrN₃O₂

Batch Molecular Weight: 242.03

Physical Appearance: Light brown solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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:

Bland-Ward *et al* (1994) Isoform selectivity of indazole-based nitric oxide synthase inhibitors. *Br.J.Pharmacol.* **112** 351P.

Bland-Ward and Moore (1995) 7-Nitroindazole derivatives are potent inhibitors of brain, endothelium and inducible isoforms of nitric oxide synthase. *Life Sci.* **57** PL131. PMID: 7544863.

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