

Product Name: BSI 201

Catalog No.: 5817

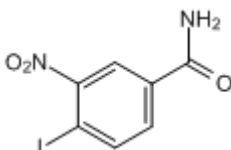
Batch No.: 1

CAS Number: 160003-66-7

IUPAC Name: 4-Iodo-3-nitrobenzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₅IN₂O₃
Batch Molecular Weight: 292.03
Physical Appearance: Yellow solid
Solubility: DMSO to 50 mM
 ethanol to 50 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	28.79	1.73	9.59
Found	28.99	1.71	9.46

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

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CAS Number: 160003-66-7

IUPAC Name: 4-Iodo-3-nitrobenzamide

Description:

PARP1 inhibitor. Inhibits growth of certain breast cancer cell lines in vitro. Non-selectively modifies cysteine-containing proteins in tumor cells. Inhibits ionizing radiation-induced DNA single-stranded breaks in lymphoid cell lines in vivo.

Physical and Chemical Properties:

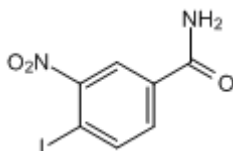
Batch Molecular Formula: C₇H₅IN₂O₃

Batch Molecular Weight: 292.03

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 50 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:

Ma et al (2012) Differential effects of poly(ADP-ribose) polymerase inhibition on DNA break repair in human cells are revealed with Epstein-Barr virus. *Proc.Natl.Acad.Sci.U.S.A.* **109** 6590. PMID: 22493268.

Liu et al (2011) Iniparib nonselectively modifies cysteine-containing proteins in tumor cells and is not a bona fide PARP inhibitor. *Clin.Cancer Res* **18** 510. PMID: 22128301.

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