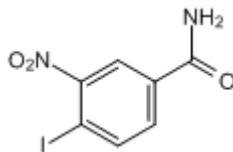


Certificate of Analysiswww.tocris.com**Product Name:** BSI 201**Catalog No.:** 5817**Batch No.:** 1

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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Product Information

www.tocris.com**Product Name:** BSI 201**Catalog No.:** 5817**Batch No.:** 1

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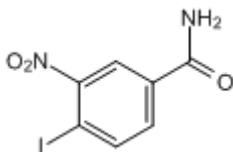
Description:

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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