Catalog # 10-2574

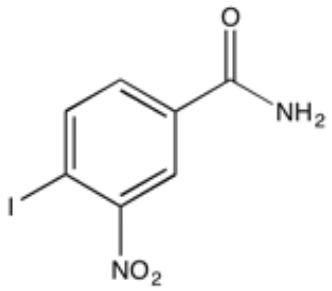
Iniparib

CAS# 160003-66-7

4-Iodo-3-nitrobenzamide

BSI-201

Lot # X101615



Originally thought to be a PARP1 inhibitor but this is controversial.[1,2] Inhibits ionizing radiation-induced single-stranded DNA break repair in lymphoid cell lines *in vivo.*[3] Inhibits growth of certain breast cancer cell lines *in vitro*. Non-selectively modifies cysteine-containing proteins in tumor cells.[4]

1) Sinha *et al*. (2014), *Downfall of iniparib: a PARP inhibitor that doesn't inhibit PARP after all*; J. Natl. Cancer Inst., **106** 447

2) Mateo *et al*. (2013), *Appraising iniparib, the PARP inhibitor that never was –what must we learn?* Nat. Rev. Clin. Oncol., **10** 688

3) 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. USA, **109** 6590

4) Liu *et al*. (2012), *Iniparib nonselectively modifies cysteine-containing proteins in tumor cells and is not a bona fide PARP inhibitor*; Clin. Cancer Res., **18** 510

PHYSICAL DATA

Molecular Weight:	292.03
Molecular Formula:	$C_7H_5IN_2O_3$
Purity:	97% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 15 mg/ml), or Ethanol (up to 15 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied, at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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