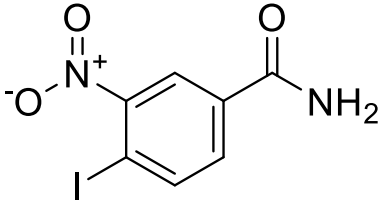


Product data sheet



MedKoo Cat#: 200582 Name: Iniparib CAS: 160003-66-7 Chemical Formula: C ₇ H ₅ IN ₂ O ₃ Exact Mass: 291.9345 Molecular Weight: 292.0325	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:

Iniparib, also known as SAR-240550; NSC-746045; BSI-201; IND-71677; NIBA; INO-2BA, is a small-molecule prodrug inhibitor of the nuclear enzyme poly(ADP-ribose) polymerase-1 (PARP-1) with potential chemosensitizing, radiosensitizing and antineoplastic activities. In vivo, PARP-1 inhibitor BSI-201 is converted to the active drug, which selectively binds to PARP-1 and inhibits PARP-1-mediated DNA repair. Consequently, this agent may enhance the cytotoxicity of DNA-damaging agents and reverse tumor cell resistance to chemotherapy and radiation therapy. In addition, PARP-1 inhibitor BSI-201 may exhibit direct antineoplastic activity against cancers defective in DNA repair.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMF	30.0	102.73
DMSO	62.67	214.59
DMSO:PBS (pH 7.2) (1:1)	0.5	1.71
Ethanol	23.5	80.47

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.42 mL	17.12 mL	34.24 mL
5 mM	0.68 mL	3.42 mL	6.85 mL
10 mM	0.34 mL	1.71 mL	3.42 mL
50 mM	0.07 mL	0.34 mL	0.68 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

Iniparib (BSI-201) is an irreversible inhibitor of PARP1, used in the research of triple negative breast cancer.

Product data sheet



In vitro activity

TBD

In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.