Product Data Sheet

Chemical Properties

Product Name: Iniparib (BSI-201)
Cas No.: 160003-66-7
M.Wt: 292.03
Formula: C7H5IN2O3
Synonyms: BSI201, BSI 201

Chemical Name: 4-iodo-3-nitrobenzamide
Canonical SMILES: C1=CC(=C(C=C1C(=O)N)[N+(=O)](=O)[O-])I
Solubility: >29.2mg/mL in DMSO
Storage: Store at -20°C
General tips: For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Shopping Condition: Evaluation sample solution: ship with blue ice
All other available size: ship with RT, or blue ice upon request

Biological Activity

Targets: Chromatin/Epigenetics
Pathways: PARP

Description:
Iniparib, previously named BSI-201, is an intravenously administered PARP1 inhibitor, which either alone or in combination with chemotherapy, has important antitumor activity in studies in vitro and in vivo. It is active against a broad range of cancer cells in culture, including drug resistant cell lines. Iniparib has been reported to be a prodrug whose C-nitroso metabolite,
4-ido-3-nitrosobenzamide, selectively kills tumor cells by oxidizing the zinc finger of PARP-1 resulting in ejection of zinc and inhibition of PARP activity.

Reference:
Liang H, Tan AR. Iniparib, a PARP1 inhibitor for the potential treatment of cancer, including triple-negative breast cancer. IDrugs. 2010 Sep;13(9):646-56.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most ApexBio products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.