BPS Bioscience

Data Sheet

ABT-888 (Veliparib)

Catalog #: 27101

Size: 5 mg

CAS Registry #: 912444-00-9

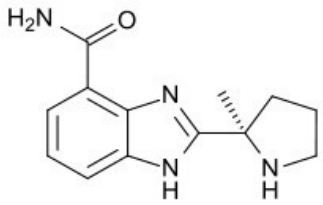
Purity: >99%

Chemical Formula: $C_{13}H_{16}N_4O$

Molecular Weight: 244.29

Lot #: 111201

Structure:

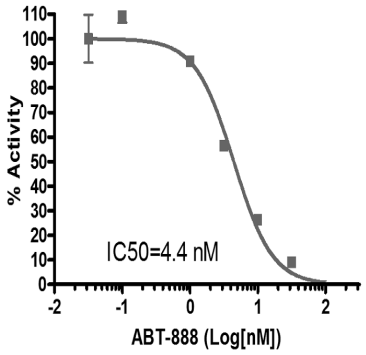


Description: ABT-888 (Veliparib) is a potent inhibitor of both PARP-1 and PARP-2. In the MX-1 breast xenograft model (BRCA1 deletion and BRCA2 mutation), ABT-888 potentiated cisplatin, carboplatin, and cyclophosphamide, causing regression of established tumors, whereas with comparable doses of cytotoxic agents alone, only modest tumor inhibition was exhibited.

Appearance: White to beige powder.

Solubility: Soluble in DMSO.

Biological Activity: ABT-888 (Veliparib) is a potent inhibitor of both PARP-1 and PARP-2 by [3H]NAD+ with K_i of 5.2 nmol/L and 2.9 nmol/L, respectively. ABT-888 inhibited PARP-1 with IC_{50} of 4.4 nM using BPS Bioscience PARP1 Chemiluminescent Assay Kit (Cat. #80551).



Storage/Stability: Store at or below -20°C.

Quality Control: The purity was determined by HPLC analysis.

Reference(s):

1. Donawho, C. K., *et al., Clinical Cancer Research* May 2007 13; 2728.
2. Sanchez, E. V., *et al.*, Meeting: 2009 ASCO Annual Meeting. Citation: *J Clincal Oncol. 27*: **15s**, 2009 (suppl; abstr 11028).
3. Liu, SK., *et al., Radiother Oncol.* 2008 Aug; **88(2)**: 258-68.

For R&D use only. Not for human, drug, diagnostic, household or other uses. MSDS available. Product of USA.

6044 Cornerstone Court West, Suite E, San Diego, CA 92121
Tel: (858) 829 -3082 ● Fax: (858) 481 – 8694
Email: info@bpsbioscience.com ● Visit: www.bpsbioscience.com

● © 2011 BPS Bioscience Inc.