

MK-4827 Biochemical

MK-4827

CATALOG #
AAA201891

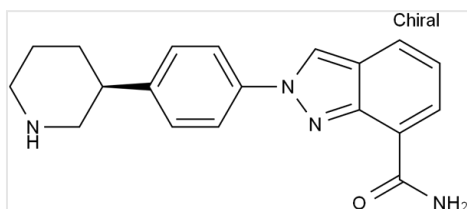
PRODUCT SYNONYMS

MK-4827; Niraparib; MK 4827; MK4827; MK-4827 biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98% (HPLC)
Suitability	DMSO: $\geq$ 32mg/mL
Target	PARP
Receptor	PARP1; PARP2; PARP3; TANK-1; V-PARP
Chemical Name	2H-Indazole-7-carboxamide, 2-[4-(3S)-3-piperidinylphenyl]
SMILES	<chem>C1C[C@H](CNC1)C2=CC=C(C=C2)N3C=C4C=CC=C(C4=N3)C(=O)N</chem>
Molecular Formula	C19H20N4O
CAS Number	1038915-60-4
Preparation and Storage	Store at -20 degree C Stability: $\geq$ 2 years Shipping: Ice Pack

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for MK-4827 biochemical	MK-4827 (Niraparib, MK4827) is a highly potent PARP inhibitor with IC50 of 3.8nM/2.1nM for PARP1/PARP2; inhibits PARP activity with EC50=4nM in a whole cell assay, and inhibits proliferation of cancer cells with mutant BRCA-1 and BRCA-2 with CC50 in the 10100nM range; well tolerated in vivo and demonstrates efficacy as a single agent in a xenograft model of BRCA-1 deficient cancer. Ovarian Cancer Approved
Product Categories/Family for MK-4827 biochemical	Ovarian Cancer; Cell Cycle/DNA Damage; Cancer
References	1. Jones P, et al. J Med Chem. 2009 Nov 26; 52 (22):7170-85. 2. Bridges KA, et al. Oncotarget. 2014 Jul 15; 5 (13):5076-86. 3. Mirza MR, et al. N Engl J Med. 2016 Dec 1; 375 (22):2154-2164.

NCBI AND UNIPROT INFORMATION

Molecular Weight	320.39
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/mk-4827/201891>