

Product Name	: MK-4827
Synonyms	: Niraparib; MK 4827; MK4827
Cat No.	: M10194
CAS Number	: 1038915-60-4
Molecular Formula	: C ₁₉ H ₂₀ N ₄ O
Formula Weight	: 320.39
Chemical Name	: 2H-Indazole-7-carboxamide, 2-[4-(3S)-3-piperidinylphenyl]-
Description	MK-4827 (Niraparib, MK4827) is a highly potent PARP inhibitor with IC₅₀ of 3.8 nM/2.1 nM for PARP1/PARP2; inhibits PARP activity with EC₅₀=4 nM in a whole cell assay, and inhibits proliferation of cancer cells with mutant BRCA-1 and BRCA-2 with CC₅₀ in the 10100 nM range; well tolerated in vivo and demonstrates efficacy as a single agent in a xenograft model of BRCA-1 deficient cancer. Ovarian Cancer Approved
Pathway	: Cell Cycle/DNA Damage
Target	: PARP
Receptor	: PARP1; PARP2; PARP3; TANK-1; V-PARP
Solubility	: DMSO: ≥ 32 mg/mL
SMILES	: <chem>C1C[C@H](CNC1)C2=CC=C(C=C2)N3C=C4C=CC=C(C4=N3)C(=O)N</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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.