

Product Name : MK-4827 hydrochloride

Synonyms : Niraparib hydrochloride; MK 4827 hydrochloride; MK4827 hydrochloride

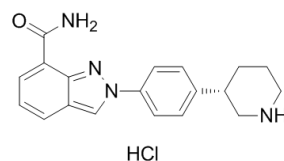
Cat No. : M10195

CAS Number : 1038915-64-8

Molecular Formula : C₁₉H₂₁ClN₄O

Formula Weight : 356.85

Chemical Name : 2H-Indazole-7-carboxamide, 2-[4-(3S)-3-piperidinylphenyl]-, hydrochloride (1:1)



Description : 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 : PARP

Solubility : 10 mM in DMSO

SMILES : C1CC(CNC1)C2=CC=C(C=C2)N3C=C4C=CC=C(C4=N3)C(=O)N.Cl

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.