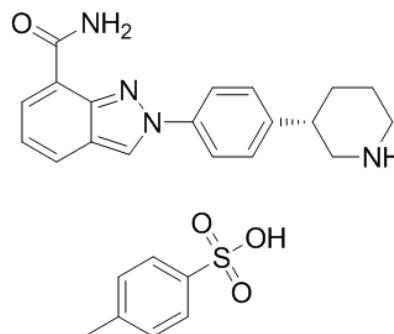


Product Name : Niraparib tosylate
Cat. No. : PC-42683
CAS No. : 1038915-73-9
Molecular Formula : C₂₆H₂₈N₄O₄S
Molecular Weight : 492.5899
Target : PARP
Solubility : DMSO: ≥ 490 mg/mL



Biological Activity

Niraparib tosylate (MK-4827) is a highly potent **PARP** inhibitor with IC₅₀ of 3.8 nM/2.1 nM for PARP1/PARP2. Niraparib 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 10–100 nM range. Niraparib is well tolerated in vivo and demonstrates efficacy as a single agent in a xenograft model of BRCA-1 deficient cancer.

References

- Jones P, et al. *J Med Chem.* 2009 Nov 26;52(22):7170-85.
 Bridges KA, et al. *Oncotarget.* 2014 Jul 15;5(13):5076-86.
 Mirza MR, et al. *N Engl J Med.* 2016 Dec 1;375(22):2154-2164.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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