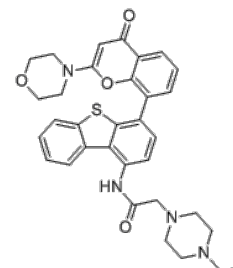


Product Name : KU-0060648
Cat. No. : PC-63031
CAS No. : 881375-00-4
Molecular Formula : C₃₃H₃₄N₄O₄S
Molecular Weight : 582.719
Target : DNA-PK
Solubility :



Biological Activity

KU-006064 is a potent, dual inhibitor of DNA-PK (IC₅₀=8.6 nM) and PI3K (IC₅₀=4/0.5/0.1 nM for PI3K α / β / δ); shows selectivity over other PI-3K-like kinases, such as ATM, ATR and mTOR; inhibits cellular DNA-PK autophosphorylation with IC₅₀ of 19 nM (MCF7 cells) and 170 nM (SW620 cells); reduces the frequency of NHEJ while increasing the rate of HDR following Cas9-mediated DNA cleavage.

References

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Robert F, et al. Genome Med. 2015 Aug 27;7:93.
Chen MB, et al. Oncotarget. 2016 Mar 29;7(13):17047-59.
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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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