

PRODUCT: NU-7441**ALTERNATE NAME:** 8-(4-Dibenzothiényl)-2-(4-morpholinyl)-4*H*-1-benzopyran-4-one; KU-57788**CATALOG #:** B1117-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₅H₁₉NO₃S**MOLECULAR WEIGHT:** 413.49**CAS NUMBER:** 503468-95-9**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (~ 2 mg/ml with gentle warming)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** NU-7441 is a potent and selective DNA-PK inhibitor (IC₅₀ = 14 nM). Displays selectivity for DNA-PK over a range of kinases including mTOR, PI 3-K, ATM and ATR. Also enhances CRISPR-Cas9-mediated homology-directed repair (HDR) efficiency, and attenuates nonhomologous end-joining (NHEJ).**REFERENCES:** Robert, F., *et al.* (2015). *Genome Med.* **7**, 93.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Azidothymidine (**B1113**)
Compound 401 (**1657**)
(Z)-4-Hydroxytamoxifen (**B1114**)
KU-0060648 (**B1115**)
L-755,507 (**B1116**)
NU-7441 (**B1117**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**