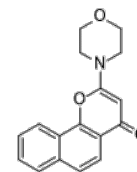


Product Name : NU7026
Cat. No. : PC-23701
CAS No. : 154447-35-5
Molecular Formula : C₁₇H₁₅NO₃
Molecular Weight : 281.31
Target : DNA-PK
Solubility : 10 mM in DMSO



Biological Activity

NU7026 is a potent, selective inhibitor of DNA repair enzyme DNA-dependent protein kinase (DNA-PK) with IC₅₀ of 0.23 μM.

NU7026 is selective for DNA-PK over related phosphatidylinositol 3-kinase-related kinase (PIKK) family members.

NU7026 (10 micro M) potentiated radiosensitization-induced DNA double strand break (DNA DSB) repair in DNA-PK proficient cancer cells.

NU7026 potentiates the cytotoxicity of topoisomerase II poisons used in the treatment of leukemia.

References

Amrein L, et al. J Pharmacol Exp Ther. 2007 Jun;321(3):848-55.

Nutley BP, et al. Br J Cancer. 2005 Oct 31;93(9):1011-8.

Hollick JJ, et al. Bioorg Med Chem Lett. 2003 Sep 15;13(18):3083-6.

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

E-mail: tech@probechem.com