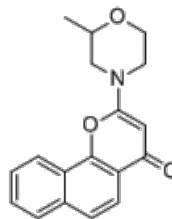


Product Name : NU-7163
Synonyms : NU7163;NU 7163
Cat No. : M14706
CAS Number : 503468-03-9
Molecular Formula : C₁₈H₁₇NO₃
Formula Weight : 295.34
Chemical Name : 2-(2-methylmorpholino)-4H-benzo[h]chromen-4-one



Description : A potent and selective, ATP-competitive DNA-PK inhibitor with IC₅₀ of 0.19 μM, K_i of 24 nM; exhibits selectivity for DNA-PK versus related enzymes ATM, ATR, mTOR, and p110α; sensitizes the HeLa cells to the cytotoxic effects of ionizing radiation in vitro.

Pathway : Cell Cycle/DNA Damage

Target : DNA-PK

Receptor : DNA-PK

Solubility : —

SMILES : O=C1C=C(N2CC(C)OCC2)OC3=C1C=CC=CC=C4C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Griffin RJ, et al. J Med Chem. 2005 Jan 27;48(2):569-85.