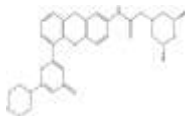


**PRODUCT: Ku-60019****RELATED PRODUCTS:**

ATM Kinase inhibitor, Ku-55933 (Cat. No. 1685)

**ALTERNATE NAME:** (2R,6S)-2,6-dimethyl-N-[5-[6-(4-morpholinyl)-4-oxo-4H-pyran-2-yl]-9H-thioxanthen-2-yl]-4-morpholineacetamide**CATALOG #:** 9572-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>30</sub>H<sub>33</sub>N<sub>3</sub>O<sub>5</sub>S**MOLECULAR WEIGHT:** 547.67**CAS NUMBER:** 925701-49-1**APPEARANCE:** Light yellow to yellow solid**SOLUBILITY:** DMSO (>10.0 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** Ku-60019 is a potent, reversible inhibitor of ATM kinase (IC<sub>50</sub> = 6.3 nM), blocking the phosphorylation of ATM substrate proteins. It is much less effective against a panel of 229 other kinases. Ku-60019 sensitizes glioma cells to radiation and inhibits migration and invasion of glioma cells *in vitro*.**REFERENCES:** Golding, S.E., *et al.* (2009). *Mol. Cancer Ther.* **8**, 2894-2902.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**