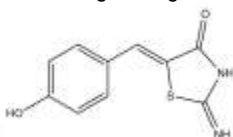


PRODUCT: Mirin**ALTERNATE NAME:** Z-5-(4-Hydroxybenzylidene)-2-imino-1,3-thiazolidin-4-one**CATALOG #:** B1075-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₀H₈N₂O₂S**MOLECULAR WEIGHT:** 220.25**CAS NUMBER:** 1198097-97-0**APPEARANCE:** Pale yellow solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** Mirin is a small-molecule inhibitor of MRN (Mre11, Rad50, and Nbs1) complex. Mirin blocks the 3' and 5' exonuclease activity associated with Mre11. Prevents ATM activation in response to double strand breaks (IC₅₀ = 12 μM) and induces G₂ cell cycle arrest.**REFERENCES:** Garner, K.M., et al. (2009). *Nat.Chem. Biol.* **5**, 129-130.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**ATM Kinase Inhibitor, KU-55933 (**1685**)Imatinib mesylate (**1625**)Imatinib, Free base (**2141**)KU-60019 (**9572**)Tozasertib (**1595**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**