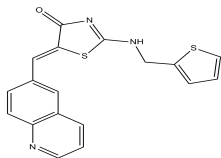


**PRODUCT: RO-3306****ALTERNATE NAME:** (5Z)-2-((Thiophen-2-yl)methylamino)-5-((quinolin-6-yl)methylene)thiazol-4(5H)-one**CATALOG #:** 2039-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>13</sub>N<sub>3</sub>OS<sub>2</sub>**MOLECULAR WEIGHT:** 351.45**CAS NUMBER:** 872573-93-8**APPEARANCE:** Brown solid**SOLUBILITY:** DMSO**PURITY:** ≥95% by NMR**STORAGE:** Store at -20 °C. Protect from light.**DESCRIPTION:** Cell-permeable. A selective CDK 1 inhibitor (Cdk1/B1 and Cdk1/A). Arrests cell cycle at G1, S, and G2/M and induces apoptosis in embryonic stem cells. Actively enhances downstream p53 signaling to promote apoptosis in AML cell lines, and suppresses phosphorylation of p53 at Ser315 and procaspase-8 at Ser387.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Alsterpaullone (**Cat. No. 1897-1,5**)Butyrolactone I (**Cat. No. 1690-200**)Kenpaullone (**Cat. No. 1904-1**)Roscovitine (**Cat. No. 1950-1,5**)TG003 (**Cat. No. 1905-5, 25**)**USAGE:** *FOR RESEARCH CH USE ONLY! Not to be used in humans*