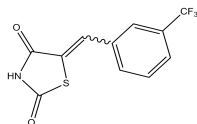


PRODUCT: SMI-4a**ALTERNATE NAME:** 5E/Z)-[[3-(Trifluoromethyl)phenyl]methylene]-2,4-thiazolidinedione**CATALOG #:** 2211-5**AMOUNT:** 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₁H₆F₃NO₂S**MOLECULAR WEIGHT:** 273.23**CAS NUMBER:** 327033-36-3**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (>10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from light and moisture**DESCRIPTION:** A selective, ATP-competitive inhibitor Pim-1 (IC₅₀ = 21 nM) and Pim-2 (IC₅₀ = 100 nM) protein kinases. Blocks mTORC1 activity via activation of AMPK. SMI-4a has been found to inhibit prostate cancer cell growth and induce G1 phase cell-cycle arrest in precursor T-cell lymphoblastic leukemia/lymphoma cell lines.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Active pim1 (Cat. No. 7742-5)

Active pim2 (Cat. No. 7730-5)

Plm1 Antibody (Cat. No. 3787R-100)

Quercetin dehydrate (Cat. No. 1773-250, 1000)

USAGE:**FOR RESEARCH CH USE ONLY! Not to be used in humans**