

PRODUCT: MAK-683**RELATED PRODUCTS:**

EED-226 (B1845)

MAK683 (B1972)

ALTERNATE NAMES: N-[(5-fluoro-2,3-dihydro-1-benzofuran-4-yl)methyl]-8-(2-methylpyridin-3-yl)-[1,2,4]triazolo[4,3-c]pyrimidin-5-amine**CATALOG NUMBER:** B1972-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₁₇FN₆O**MOLECULAR WEIGHT:** 376.39**CAS NUMBER:** 1951408-58-4**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** MAK-683 is a potent EED (embryonic ectoderm development protein) inhibitor and an allosteric inhibitor of polycomb repressive complex 2 (PRC2), with potential antineoplastic activity. MAK683 selectively binds to the domain of EED that interacts with trimethylated lysine 27 on histone 3 (H3K27me3), which leads to a conformational change in the EED H3K27me3-binding pocket and prevents the interaction of EED with the histone methyltransferase enhancer zeste homolog 2 (EZH2).**REFERENCES:** Evans, C.A., et al. (2016). *ACS Med. Chem. Lett.* **7**, 862-867.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** ***FOR RESEARCH USE ONLY! Not to be used in humans***