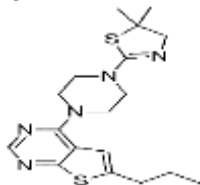


PRODUCT: MI-2**ALTERNATE NAME:** 4-[4-(5,5-dimethyl-4H-1,3-thiazol-2-yl)piperazin-1-yl]-6-propylthieno[2,3-d]pyrimidine; Menin-MLL inhibitor 2**CATALOG NUMBER:** B1835-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₈H₂₅N₅S₂**MOLECULAR WEIGHT:** 375.55**CAS NUMBER:** 1271738-62-5**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (>15 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** MI-2 is a Menin-MLL (Mixed lineage leukemia) protein interaction inhibitor with an IC₅₀ of 0.45 μM. MLL protein is a histone methyltransferase that positively regulates gene transcription. However, MLL gene is a common target for chromosomal translocations found in some leukemia.**REFERENCES:** Grembecka, J et al. (2012). *Nat. Cell Biol.* **8**, 277-284.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**MI-2 (**B1835**)MI-3 (**B1834**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**