

Product Name : MI-2-2 hydrochloride

Synonyms : —

Cat No. : M17067

CAS Number :

Molecular Formula : C₁₇H₂₁ClF₃N₅S₂

Formula Weight : 451.96

Chemical Name : 4-(4-(5,5-Dimethyl-4,5-dihydrothiazol-2-yl)piperazin-1-yl)-6-(2,2,2-trifluoroethyl)thieno[2,3-d]pyrimidine hydrochloride

Description : MI-2-2 hydrochloride is a potent inhibitor of the menin-MLL interaction that binds to menin with low nanomolar affinity (K_d=22 nM); inhibits the interaction of menin with MLL-AF9 in HEK293 cells in a dose-dependent manner with 4-fold potency improvement over MI-2; suppresses growth of MLL-AF9-transformed BMCs; causes MV4:11 cells growth inhibition of with GI₅₀ of 3 uM.

Pathway : Chromatin/Epigenetic

Target : HMTase

Receptor : HMTase

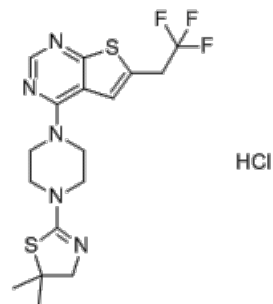
Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :



1. Arkin MR, et al. Chem Biol. 2014 Sep 18;21(9):1102-14. 2. Shi A, et al. Blood. 2012 Nov 29;120(23):4461-9.