
Product Data Sheet

Product Name: MI 2 dihydrochloride

Cat. No.: GC50073

Chemical Properties

Cas. No.

SMILES CCCC2=CC1=C(N3CCN(C4=NCC(C)(C)S4)CC3)N=CN=C1S2.Cl.ClFormula $C_{18}H_{25}N_5S_2 \cdot 2HCl$ M.Wt 448.48

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Menin-MLL interaction inhibitor; binds menin (IC50 = 446 nM). Selectively inhibits proliferation and induces apoptosis of leukemia cells harboring MLL fusion proteins. Also blocks transformation and induces hematopoietic differentiation of MLL-AF9 transformed bone marrow cells.

Grembecka et al (2012) Menin-MLL inhibitors reverse oncogenic activity of MLL fusion proteins in leukemia. Nat.Chem.Biol. 8 277 PMID:22286128 |Phillips et al (2019) Target identification reveals lanosterol synthase as a vulnerability in glioma. Proc.Natl.Acad.Sci.U.S.A. 116 7957 PMID:30923116

Caution: Product has not been fully validated for medical applications. For research use only.

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