

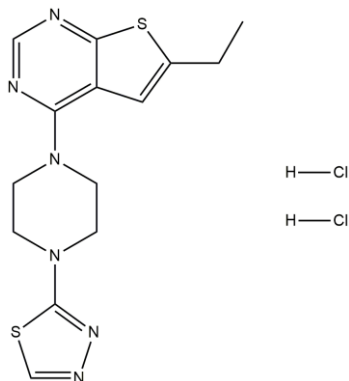
MI-nc (hydrochloride)

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ALTERNATE NAMES: MI-nc, 6-ethyl-4-[4-(1,3,4-thiadiazol-2-yl)-1-piperaziny]-thieno[2,3-d]pyrimidine, dihydrochloride

CATALOG #: B2816-1 1 mg
B2816-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₈Cl₂N₆S₂

MOLECULAR WEIGHT: 405.36

CAS NUMBER: 1934302-23-4

APPEARANCE: Crystalline solid

PURITY: ≥98%

SOLUBILITY: 0.1 mg/ml in Ethanol
1.3 mg/ml in DMSO
0.16 mg/ml in PBS, pH 7.2

DESCRIPTION: MI-nc (hydrochloride) is a weak inhibitor of the menin-MLL interaction. Menin is a tumor suppressor protein. Menin is a part of the MLL (Mixed Lineage Leukemia) SET1-like histone methyl transferase complex. Association of menin with MLL fusion proteins causes oncogenic transformation. MI-nc (hydrochloride) showed very weak inhibition of the menin-MLL interaction (IC₅₀ = 193 μM) *in vitro*. It serves as a negative control for MI-2 which is a potent menin-MLL interaction inhibitor (IC₅₀ = 0.45 μM).

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

MI-2 (Cat .No. B1835)
MI-3 (Cat .No. B1834)
Menin Antibody (Cat .No. 3797)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**