

Product Name	: MI-538
Synonyms	: MI538; MI 538
Cat No.	: M12867
CAS Number	: 1857417-10-7
Molecular Formula	: C ₂₇ H ₂₅ F ₃ N ₈ O ₂ S
Formula Weight	: 566.60
Chemical Name	: 1H-Indole-2-carbonitrile, 6-hydroxy-1-(1H-pyrazol-4-ylmethyl)-5-[[4-[[6-(2,2,2-trifluoroethyl)thieno[2,3-d]pyrimidin-4-yl]amino]-1-piperidinyl]methyl]-
Description	MI-538 is potent and selective menin–MLL interaction inhibitor (IC ₅₀ =21 nM); shows the most potent binding affinity to menin (K _d = 6.5 nM) obtained for small molecule menin–MLL inhibitor reported to date; exhibits significantly increased activity, selectivity, polarity and pharmacokinetic profile over MI-136 and demonstrates a pronounced effect in a mouse model of MLL leukemia.
Pathway	: Chromatin/Epigenetic
Target	: HMTase
Receptor	: HMTase
Solubility	: DMSO; Need ultrasonic and warming
SMILES	: <chem>N#CC(N1CC2=CN=C2)=CC3=C1C=C(O)C(CN4CCC(NC5=C(C=C(CC(F)(F)F)S6)C6=NC=N5)CC4)=C3</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Borkin D, et al. J Med Chem. 2016 Feb 11;59(3):892-913.