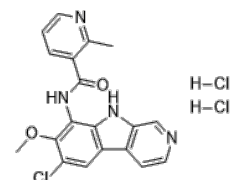


Product Name : MLN120B dihydrochloride
Cat. No. : PC-23157
CAS No. : 1782573-78-7
Molecular Formula : C₁₉H₁₇Cl₃N₄O₂
Molecular Weight : 439.72
Target : IκB kinase (IKK)
Solubility : 10 mM in DMSO



Biological Activity

MLN120B dihydrochloride (ML120B) is a potent, specific and ATP competitive inhibitor of IKKbeta (IKK β) with IC₅₀ of 0.06 μ M, blocks TNF- α -induced NF- κ B activation in multiple myeloma cells through inhibition of I κ B α phosphorylation and degradation of I κ B α .

ML120B is greater than 1000 times more potent in inhibiting IKK β than other inhibiting kinases, does not inhibit IKK α .

ML120B inhibited IL-6 and RANTES production in response to LPS in a dose-dependent manner with IC₅₀ of 1 μ M on LPS induced primary cells.

ML120B inhibits NF- κ B activation and rapidly induces apoptosis in lymphoid organs in vivo.

References

Hideshima T, et al. Clin Cancer Res. 2006 Oct 1;12(19):5887-94.

Hideshima T, et al. Blood. 2009 May 21;113(21):5228-36.

Nagashima K, et al. Blood. 2006 Jun 1;107(11):4266-73.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com