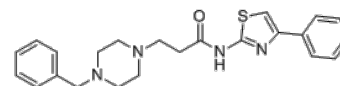


Product Name : TJ-M2010-5
Cat. No. : PC-38670
CAS No. : 1357471-57-8
Molecular Formula : C₂₃H₂₆N₄OS
Molecular Weight : 406.55
Target : MyD88
Solubility : 10 mM in DMSO



Biological Activity

TJ-M2010-5 is a small molecule MyD88 inhibitor that binds to the TIR domain of **MyD88** to interfere with its homodimerization, and the TLR/MyD88 signal pathway.

TJ-M2010-5 inhibited MyD88 homodimerization in transfected HEK293 cells in a concentration-dependent manner and suppressed MyD88 signaling in LPS-responsive RAW 264.7 cells in vitro.

TJ-M2010-5 decreased cell proliferation, and increased apoptosis in colon tissue, also inhibited production of inflammatory cytokines and chemokines (TNF- α , IL-6, G-CSF, MIP-1 β , TGF- β 1, IL-11, IL-17A, IL-22 and IL-23) and infiltration of immune cells (macrophages, dendritic cells, neutrophils and CD + 4 T cells) in colon tissues of mice.

References

Xie L, et al. *J Natl Cancer Inst.* 2015 Dec 28;108(4):djv364.

Liu JH, et al. *Exp Cell Res.* 2020 Sep 15;394(2):112157.

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

E-mail: tech@probechem.com