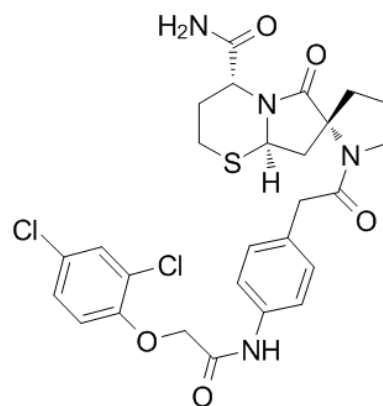


Product Name : ST-2825
Cat. No. : PC-45910
CAS No. : 894787-30-5
Molecular Formula : C₂₇H₂₈Cl₂N₄O₅S
Molecular Weight : 591.506
Target : MyD88
Solubility : 10 mM in DMSO



Biological Activity

ST-2825 (ST2825) is a synthetic peptido-mimetic compound that inhibits **MyD88 dimerization** in a TIR-dependent manner. ST-2825 interferes with recruitment of IRAK1 and IRAK4 by MyD88, causing inhibition of IL-1beta-mediated activation of NF-kappaB transcriptional activity.

ST-2825 inhibits IL-1beta-induced production of IL-6 in treated mice, suppresses B cell proliferation and differentiation into plasma cells in response to CpG-induced activation of TLR9.

ST-2825 is orally active.

References

Loiarro M, et al. *J Leukoc Biol.* 2007 Oct;82(4):801-10.

Van Tassell BW, et al. *Pharmacol.* 2011 Feb;57(2):272.

Capolunghi F, et al. *Rheumatology (Oxford).* 2010 Dec;49(12):2281-9.

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

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