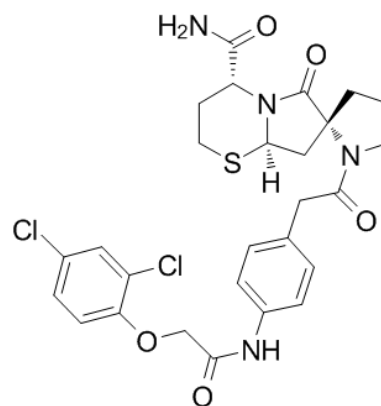


**Product Name** : ST2825  
**Cat. No.** : PC-45910  
**CAS No.** : 894787-30-5  
**Molecular Formula** : C<sub>27</sub>H<sub>28</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>5</sub>S  
**Molecular Weight** : 591.506  
**Target** : MyD88  
**Solubility** : 10 mM in DMSO



## 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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