

ST 2825

Catalog No: tcsc0797



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

894787-30-5

Formula:

$C_{27}H_{28}Cl_2N_4O_5S$

Pathway:

Immunology/Inflammation

Target:

MyD88

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

591.51

Product Description

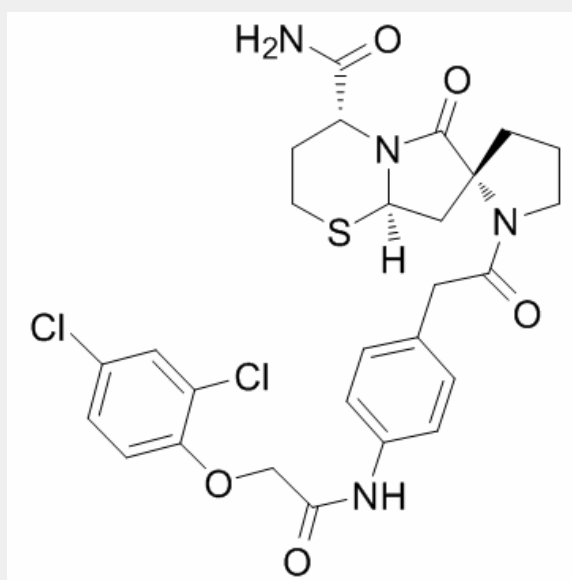
ST 2825 is a **MyD88** homodimerization inhibitor.

IC50 & Target: MyD88^[1]

In Vitro:

ST2825 blocks IL-1R/TLR signaling by interfering with MyD88 homodimerization. ST2825 inhibits this interaction in a concentration-dependent manner with ~40% inhibition of dimerization at 5 μ M ST2825 and 80% inhibition at 10 μ M ST2825^[1].

In Vivo: ST2825 dose-dependently inhibits IL-1 β -induced production of IL-6 in treated mice after oral administration. The animals are administered orally with the appropriate vehicles or ST2825 at doses ranging from 50 to 200 mg/kg, 5 min prior to i.p. injection with 20 μ g/kg IL-1 β . ST2825 exerts a significant inhibition of IL-1 β -stimulated production of IL-6 at 100 and 200 mg/kg^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!