

# GSK2850163

Catalog No: tcsc0039356



## Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg



## Specifications

**CAS No:**

2121989-91-9

**Formula:**

$C_{24}H_{29}Cl_2N_3O$

**Pathway:**

Cell Cycle/DNA Damage

**Target:**

IRE1

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

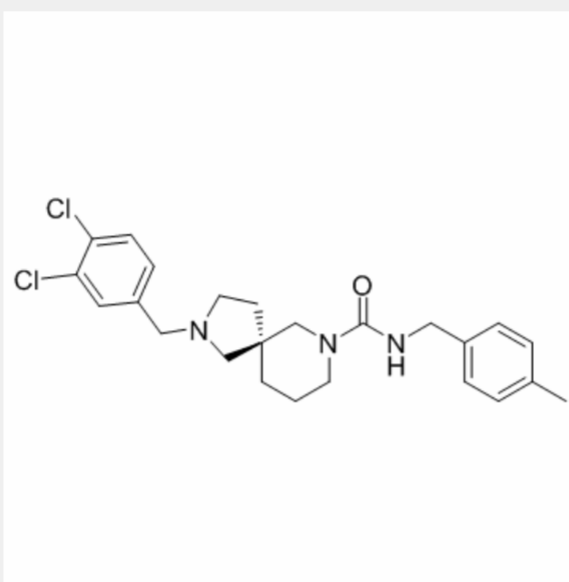
446.41

## Product Description

GSK2850163 is a novel inhibitor of inositol-requiring enzyme-1 alpha (**IRE1 $\alpha$** ) which can inhibit **IRE1 $\alpha$  kinase activity** and **RNase activity** with **IC<sub>50</sub>s** of 20 and 200 nM, respectively.

IC50 & Target: IC50: 20 nM (IRE1 $\alpha$  kinase activity), 200 nM (IRE1 $\alpha$  RNase activity)<sup>[1]</sup>

**In Vitro:** GSK2850163 is a novel inhibitor of inositol-requiring enzyme-1 alpha (IRE1 $\alpha$ ) which can inhibit IRE1 $\alpha$  kinase activity and RNase activity with IC<sub>50</sub>s of 20 and 200 nM, respectively. The increased autophosphorylation of IRE1 $\alpha$  could be reduced in a dose-dependent manner by GSK2850163. Increasing concentrations of GSK2850163 are capable of reducing the increased XBP 1 transcriptional activity. Two additional kinases are weakly inhibited by GSK2850163: Ron (IC<sub>50</sub>=4.4  $\mu$ M) and FGFR1 V561M (IC<sub>50</sub>=17  $\mu$ M)<sup>[1]</sup>.



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