

GSK2850163 hydrochloride

Catalog No: tcsc0040332



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

Formula:

$C_{24}H_{30}Cl_3N_3O$

Pathway:

Cell Cycle/DNA Damage

Target:

IRE1

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

482.87

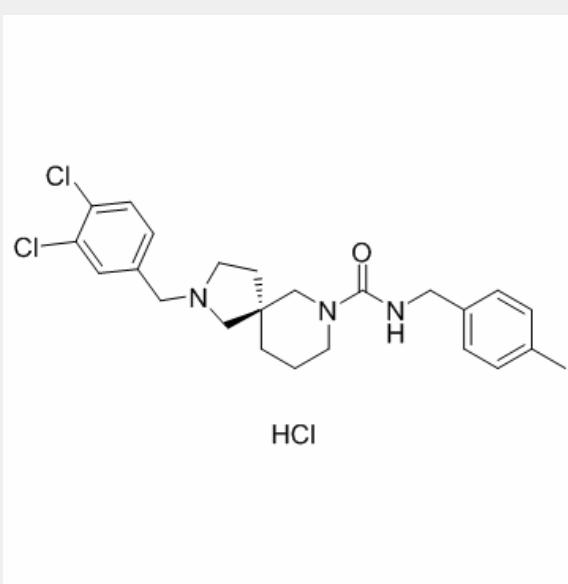
Product Description

GSK2850163 hydrochloride is a novel inhibitor of inositol-requiring enzyme-1 alpha (**IRE1α**) which can inhibit **IRE1α kinase activity** and **RNase activity** with **IC₅₀**s of 20 and 200 nM, respectively.

IC50 & Target: IC50: 20 nM (IRE1α kinase activity), 200 nM (IRE1α RNase activity)^[1]

In Vitro: GSK2850163 hydrochloride is a novel inhibitor of inositol-requiring enzyme-1 alpha (IRE1α) which can inhibit IRE1α kinase activity and RNase activity with IC₅₀s of 20 and 200 nM, respectively. The increased autophosphorylation of IRE1α can be reduced in

a dose-dependent manner by GSK2850163 hydrochloride. Increasing concentrations of GSK2850163 hydrochloride are capable of reducing the increased XBP 1 transcriptional activity. Two additional kinases are weakly inhibited by GSK2850163 hydrochloride: Ron ($IC_{50}=4.4\text{ }\mu\text{M}$) and FGFR1 V561M ($IC_{50}=17\text{ }\mu\text{M}$)^[1].



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