

APY29

Catalog No: tcsc2552



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

1216665-49-4

Formula:

$C_{17}H_{16}N_8$

Pathway:

Cell Cycle/DNA Damage

Target:

IRE1

Purity / Grade:

>98%

Solubility:

DMSO : 10 mg/mL (30.09 mM; Need ultrasonic and warming)

Observed Molecular Weight:

332.36

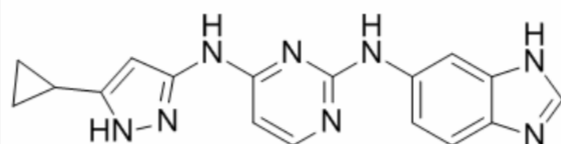
Product Description

APY29 is an allosteric modulator of **IRE1α** which inhibits IRE1α autophosphorylation with **IC₅₀** of 280 nM and activates IRE1α RNase activity.

IC50 & Target: IC50: 280 nM (IRE1α)

In Vitro: APY29 divergently modulates the RNase activity and oligomerization state of IRE1α. APY29 is exerting their opposing

effects on RNase activity through the same binding site. APY29 divergently affects IRE1 α oligomerization. APY29 demonstrates opposing dose-dependent effects on ER stress-induced activation of the RNase of endogenous IRE1 α ^[1].



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