

3,6-DMAD hydrochloride

Catalog No: tcsc0039381



Available Sizes

Size: 5mg



Specifications

Formula:

$C_{22}H_{31}N_5 \cdot xHCl$

Pathway:

Cell Cycle/DNA Damage

Target:

IRE1

Purity / Grade:

>98%

Solubility:

DMSO : 25 mg/mL (68.40 mM; Need ultrasonic)

Observed Molecular Weight:

365.52

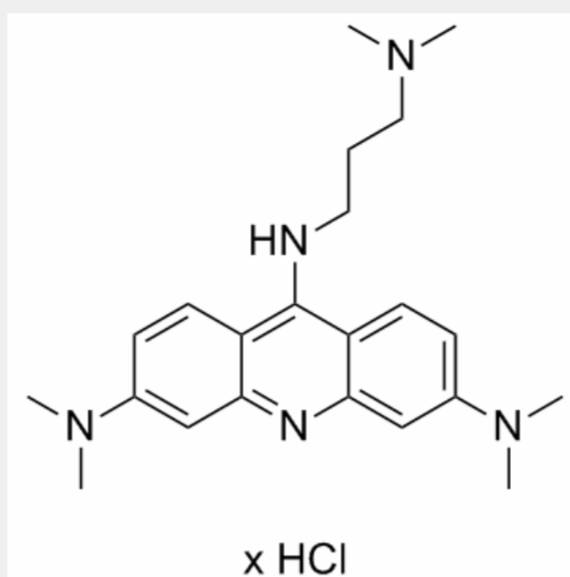
Product Description

3,6-DMAD hydrochloride is a inhibitor of the **IRE1 α -XBP1** pathway of the unfolded protein response.

IC50 & Target: IRE1 α ^[1]

In Vitro: 3,6-DMAD inhibits both IRE1 α oligomerization and *in vitro* endoribonuclease (RNase) activity^[1].

In Vivo: Following three intraperitoneal administrations of 3,6-DMAD at a dose of 10 mg/kg every 12 hours, 3,6-DMAD significantly inhibits *in vivo* XBP1-luciferase activity assessed 3.5 days after the initial treatment. 3,6-DMAD-treatment significantly inhibits tumor xenograft growth^[1].



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