Web: www.taiclone.com
Tel: +886-2-2735-9682
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3,6-DMAD hydrochloride

Catalog No: tcsc0039381

Available Sizes

Size: 5mg

Specifications

Formula:
$C_{22}H_{31}N_5$ 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 **IRE1α-XBP1** pathway of the unfolded protein response.

IC50 & Target: IRE1α[1]

In Vitro: 3,6-DMAD inhibits both IRE1α 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].

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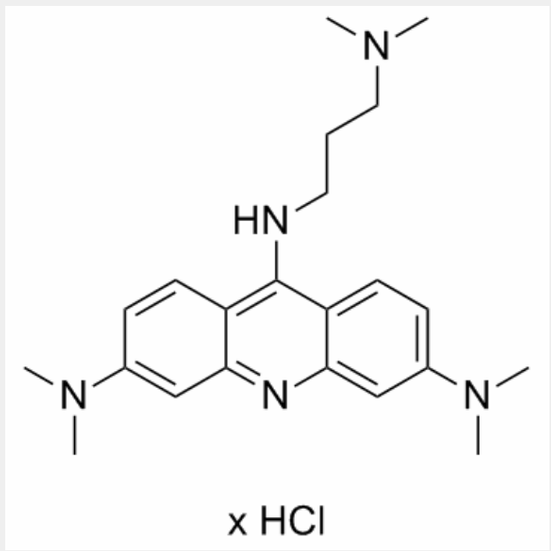

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!