Web: www.taiclone.com
Tel: +886-2-2735-9682
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WR-1065 dihydrochloride

Catalog No: tcsc7832

Available Sizes

Size: 5mg

Size: 10mg

Specifications

CAS No:
14653-77-1

Formula:
$C_5H_{16}Cl_2N_2S$

Pathway:
Apoptosis

Target:
MDM-2/p53

Purity / Grade:
>98%

Solubility:
DMSO : 25 mg/mL (120.68 mM; Need ultrasonic)

Observed Molecular Weight:
207.16

Product Description

WR-1065 dihydrochloride can protect normal tissues from the toxic effects of certain cancer drugs and activate **p53** through a JNK-dependent signaling pathway.

IC50 & Target: p53[1]

In Vitro: The DNA-binding activity is increased in a WR-1065 dihydrochloride (WR-1065) concentration-dependent manner. Cells

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treated with 1 mM WR-1065 dihydrochloride for 24 h reveal that all of the p53-induced genes analyzed are transactivated following WR-1065 dihydrochloride treatment, in a p53-dependent manner. Significantly, treatment with WR-1065 dihydrochloride leads to a 3-fold increase in luciferase expression driven by AP-1, and a 5-fold increase when this reporter gene is driven by NF-κB, when these values are normalized to the level of the cotransfected β-galactosidase gene[2].

In Vivo: The results show that wR-1065 dihydrochloride (WR-1065) attenuates the severity of 6-OHDA-induced catalepsy (P[3].