

## WRN inhibitor 6

## Chemical Properties

CAS No. :

Formula: C<sub>29</sub>H<sub>34</sub>O<sub>5</sub>S

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	WRN inhibitor 6 (compound 3ci) is an effective inhibitor of WRN, inducing apoptosis and increasing the expression of p-p53, P-Chk2, and γH2AX.
Targets(IC50)	Apoptosis,DNA/RNA Synthesis
In vitro	WRN inhibitor 6 (compound 3ci) induces DNA damage and apoptosis in HCT116 and SW620 cells, with IC50 values of 2.305 μM and 16.58 μM, respectively, when used at concentrations of 0-100 μM for 72 hours. Additionally, WRN inhibitor 6 at concentrations of 0, 2.5, 5, and 10 μM over 3 and 27 hours increases the expression of p-p53, P-Chk2, and γH2AX in a dose-dependent manner in HCT116 cells.
In vivo	WRN inhibitor 6 has low oral bioavailability in mice, recorded at 11.43%, and a short half-life of 0.17 hours when administered intravenously (20 mg/kg for p.o.; 5 mg/kg for i.v.).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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