Web: www.taiclone.com
Tel: +886-2-2735-9682
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PU-WS13

Catalog No: tcsc4953

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Specifications

CAS No:
1454619-14-7

Formula:
$C_{17}H_{20}Cl_2N_6S$

Pathway:
Metabolic Enzyme/Protease;Cell Cycle/DNA Damage

Target:
HSP;HSP

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 40 mg/mL (97.24 mM)

Observed Molecular Weight:
411.35

Product Description

PU-WS13 is a selective **Grp94** inhibitor, with an **EC_{50}** of 0.22 μM.

IC50 & Target: EC50: 0.22 μM (Grp94), 7.3 μM (Trap-1), 27.3 μM (Hsp90α), 41.8 μM (Hsp90β)[1]

In Vitro:

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PU-WS13 is a Grp94 inhibitor, with an EC_{50} of 0.22 μM. PU-WS13 also slightly suppresses Hsp90α, Hsp90β and Trap-1, with EC_{50}s of 27.3, 41.8 and 7.3 μM, respectively. PU-WS13 (2.5-20 μM) shows no toxicity on two nonmalignant cell lines. PU-WS13 (15 μM) disrupts the circular architecture of HER2 at the plasma membrane of SKBr3 cells mediated through Grp94. PU-WS13 inhibits Grp94, and the inhibition induces apoptosis in and reduce the viability of HER2 overexpressing breast cancer cells[1].