

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

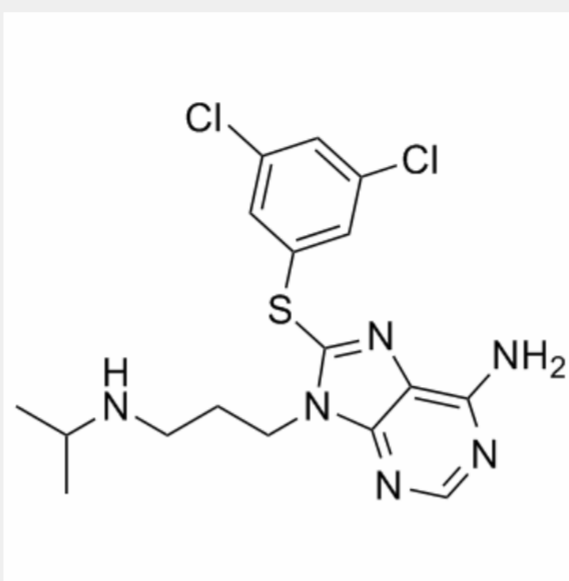
Product Description

PU-WS13 is a selective **Grp94** inhibitor, with an **EC₅₀** of 0.22 μ M.

IC50 & Target: EC50: 0.22 μ M (Grp94), 7.3 μ M (Trap-1), 27.3 μ M (Hsp90 α), 41.8 μ M (Hsp90 β)^[1]

In Vitro:

PU-WS13 is a Grp94 inhibitor, with an EC₅₀ of 0.22 μ M. PU-WS13 also slightly suppresses Hsp90 α , Hsp90 β and Trap-1, with EC₅₀s of 27.3, 41.8 and 7.3 μ M, respectively. PU-WS13 (2.5-20 μ M) shows no toxicity on two nonmalignant cell lines. PU-WS13 (15 μ M) 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].



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