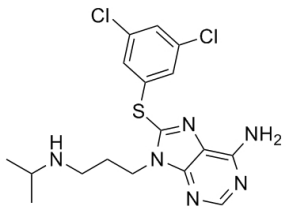
PU-WS13 (CAS: 1454619-14-7)

Catalog #: EBC51017

Biological Activity

Synonyms	Grp94 inhibitor
Chemical Name	8-((3,5-dichlorophenyl)thio)-9-(3-(isopropylamino)propyl)-9H-purin-6-amine
Application	Pu-ws13 is a selective GRP94 inhibitor
CAS No.	1454619-14-7
Purity	≥99.0%
Molecular Weight	411.35
Molecular Formula	$C_{17}H_{20}Cl_2N_6S$
Shipping	Gel Pack
Storage	Store at -20° C
Target & IC_{50}	GRP94: EC50 = 0.22 μM HSP90α: EC50 = 27.3 μM HSP90β: EC50 = 41.8 μM

Molecular Structure



Solubility

DMSO: 40 mg/mL (97.24 mM)

PS: < 1 mg/ml refers to the product insoluble

Description

PU-WS13 is a Grp94 inhibitor, with an EC50 of 0.22 μM. PU-WS13 also slightly suppresses Hsp90α, Hsp90β and Trap-1, with EC50s 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

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