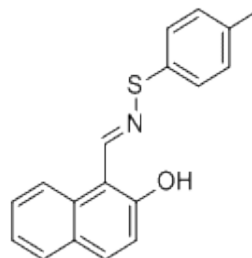


Data Sheet

WWW.UREIKO-CHEM.COM

Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : COH34
Cat.No. : URK-V2223
CAS No. : 906439-72-3
Molecular Formula : $C_{18}H_{15}NOS$
Molecular Weight : 293.384
Target : PARP
Solubility :



Biological Activity

COH34 (PARG inhibitor COH34, NSC191252) is a potent, selective and cell-active PARG inhibitor ($IC_{50}=0.37$ nM). COH34 specifically inhibits poly(ADP-ribose) glycohydrolase (PARG) and strongly binds to the catalytic domain of PARG with Asn869 as a key binding residue ($K_d=0.547$ μ M), does not suppress the activity of PARP1 and had little impact on TARG1 at 1 μ M.

COH34 suppresses the PARG-dependent dePARylation process, suppresses DNA repair in cells.

COH34 exhibits lethality in BRCA-mutant and PARP inhibitor-resistant cancer cells UWB1.289 and PEO-1 ($EC_{50}=2.1$ and 0.8 μ M, respectively), selectively kills BRCA-mutant and PARP inhibitor-resistant cancer cells.

COH34 exhibits antitumor activity (at 20 mg/kg) in PARP inhibitor-resistant and DNA damage repair-defective cell line xenografts.

References

1. Shih-Hsun Chen, et al. Sci Adv. 2019 Apr 10;5(4):eaav4340.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

Caution: Product has not been fully validated for medical applications. Lab Use Only!

JACK@UREIKO-CHEM.COM