Product Datasheet

COH34

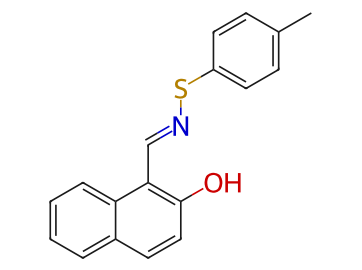
Catalog No. **BP-00537** · CAS **906439-72-3** · Form **free base** · Physical state **solid** · Color **Light yellow to yellow** · Version **1.0** · Revision **2026-11-13**

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Target	Research area
Poly(ADP-ribose) Glycohydrolase (PARG)	**Cancer**

Molecular formula	**$C_{18}H_{15}NOS$**
Molecular weight	**293.3830**

STRUCTURE



DESCRIPTION

COH34 is a potent and specific poly(ADP-ribose) glycohydrolase (PARG) inhibitor with an IC50 of 0.37 nM. COH34 binds to the catalytic domain of PARG (Kd=0.547 μM), thereby prolonging PARylation at DNA lesions and trapping DNA repair factors .

BIOLOGICAL ACTIVITY

COH34 efficiently kills PARP inhibitor-resistant cancer cells

COH34 induces lethality in cancer cells with DNA repair defects and exhibits antitumor activity in xenograft mouse cancer models

SOLUBILITY

Soluble in DMSO

In vitro	DMSO : 16.67 mg/mL

REFERENCES

[1]. Chen SH, et al. Targeting dePARylation selectively suppresses DNA repair-defective and PARP inhibitor-resistant malignancies. Sci Adv. 2019 Apr 10;5(4):eaav4340.