UCHL1-IN-1

Cat. No.: HY-161378

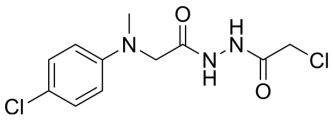
Molecular Formula: $C_{11}H_{13}Cl_2N_3O_2$

Molecular Weight: 290.15

Target: Deubiquitinase

Pathway: Cell Cycle/DNA Damage

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UCHL1-IN-1 (Compound 46) is an inhibitor for Ubiquitin C-terminal Hydrolase L1 (UCHL1), with an IC_{50} of 5.1 μM. UCHL1-IN-1 can be used for cancer research[1].
IC_{50} & Target	UCHL1
In Vitro	UCHL1-IN-1 (0-50 μM, 4 h) inhibits UCHL1 in BT549 cell[1]. UCHL1-IN-1 (0-50 μM, 24 h) inhibits cell migration and cell viability in BT549 cell[1]. UCHL1-IN-1 is relatively metabolically stable in human liver microsomes assay, with a $t_{1/2}$ > 120 min, and low intrinsic hepatic clearance[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Imhoff RD, et al. Covalent Fragment Screening and Optimization Identifies the Chloroacetohydrazide Scaffold as Inhibitors for Ubiquitin C-terminal Hydrolase L1. J Med Chem. 2024 Mar 15.

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