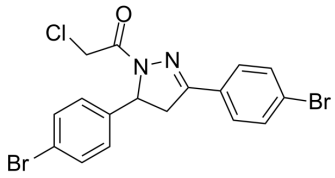
EN219

Cat. No.:	HY-115715
CAS No.:	380351-29-1
Molecular Formula:	$C_{17}H_{13}Br_2ClN_2O$
Molecular Weight:	456.56
Target:	E1/E2/E3 Enzyme
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 65 mg/mL (142.37 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1903 mL	10.9515 mL	21.9029 mL
	5 mM	0.4381 mL	2.1903 mL	4.3806 mL
	10 mM	0.2190 mL	1.0951 mL	2.1903 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

EN219 is a moderately selective synthetic covalent ligand against an N-terminal cysteine (C8) of RNF114 with an IC_{50} of 470 nM. EN219 inhibits RNF114-mediated autoubiquitination and p21 ubiquitination[1].

IC_{50} & Target

RNF114
470 nM (IC_{50})

In Vitro

EN219 (1 μM; 90 min) interacts with RNF114 C8, TUBB1 C201, HSPD1 C442, and HIST1H3A C97 demonstrated by isotopic tandem orthogonal proteolysisABPP (isoTOP-ABPP) analysis[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Luo M, et al. Chemoproteomics-enabled discovery of covalent RNF114-based degraders that mimic natural product function. Cell Chem Biol. 2021 Apr 15;28(4):559-566.e15.

Caution: Product has not been fully validated for medical applications. For research use only.

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