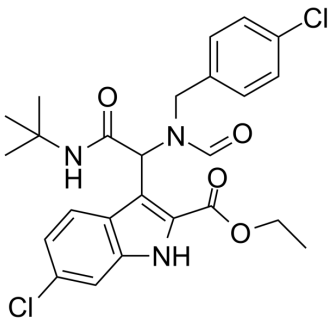
YH239-EE

Cat. No.:	HY-12287
CAS No.:	1364488-67-4
Molecular Formula:	$C_{25}H_{27}Cl_2N_3O_4$
Molecular Weight:	504.41
Target:	MDM-2/p53; Apoptosis; E1/E2/E3 Enzyme
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 55 mg/mL (109.04 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.9825 mL	9.9126 mL	19.8251 mL
5 mM	0.3965 mL	1.9825 mL	3.9650 mL
10 mM	0.1983 mL	0.9913 mL	1.9825 mL

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

BIOLOGICAL ACTIVITY

Description

YH239-EE, ethyl ester of the free carboxylic acid compound YH239, is a potent p53-MDM2 antagonizing and apoptosis-inducing agent.IC50 value:Target: MDM2/p53YH239-EE inhibits the growth of OCI-AML-3 cells with wild type p53 by inhibiting the p53-MDM2 interaction. YH239-EE induces cell cycle arrest and causes potent cell apoptosis via activation of p53 and downstream targets in four AML cells (OCI-AML-3 and MOLM-13 with wt p53, NB4 with p53 mutation, and HL60 with p53 deletion).

CUSTOMER VALIDATION

- Viruses. 2023 Feb 28.

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REFERENCES

[1]. Huang Y, et al. Discovery of highly potent p53-MDM2 antagonists and structural basis for anti-acute myeloid leukemia activities. ACS Chem Biol. 2014 Mar 21;9(3):802-11.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA