



Product Information

MDM2 inhibitor YH239-EE, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ136

Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1364488-67-4

Compound CID: 56943013

Synonym: 1364488-67-4; YH239-EE; Ethyl

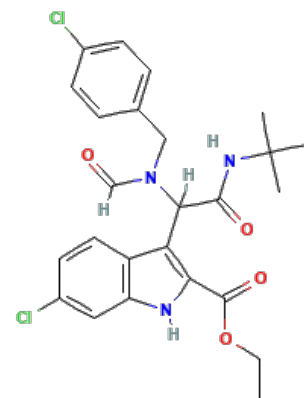
3-(2-(*tert*-butylamino)-1-(*N*

-(4-chlorobenzyl)formamido)-2-oxoethyl)-6-chloro-1*H*-indole-2-carboxylate; Ethyl

3-[2-(*tert*-butylamino)-1-[*N*

-(4-chlorobenzyl)formamido]-2-oxoethyl]-6-chloro-1*H*-indole-2-carboxylate; MDM2 inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	YH239-EE, soluble in DMSO and ethanol and insoluble in water, prevents the degradation of p53 by inhibiting the MDM2-p53 interaction, leading to increased p53 levels and promoting apoptosis in p53-responsive cells. It targets p53/MDM2.
Molecular Weight	504.41
Targets	p53/MDM2
IUPAC Name	Ethyl 3-[2-(<i>tert</i> -butylamino)-1-[(4-chlorophenyl)methyl-formylamino]-2-oxoethyl]-6-chloro-1 <i>H</i> -indole-2-carboxylate
InChI	InChI=1S/C25H27Cl2N3O4/c1-5-34-24(33)21-20(18-11-10-17(27)12-19(18)28-21)22(23(32)29-25(2,3)4)30(14-31)13-15-6-8-16(26)9-7-15/h6-12,14,22,28H,5,13H2,1-4H3,(H,29,32)
InChI Key	OTUBDDRFPQLPKD-UHFFFAOYSA-N
Canonical SMILES	CCOC(=O)C1=C(C2=C(N1)C=C(C=C2)Cl)C(C(=O)NC(C)(C)C)N(CC3=CC=C(C=C3)Cl)C=O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 85 mg/mL (168.51 mM); Water: Insoluble; Ethanol: 15 mg/mL (29.73 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized



powder.

Applications

YH239-EE can be used to study the inhibition of MDM2-p53 interaction and its therapeutic potential in cancer treatment.

Storage

Store at -20°C.
