

Product Name: YH 239-EE

Catalog No.: 6719

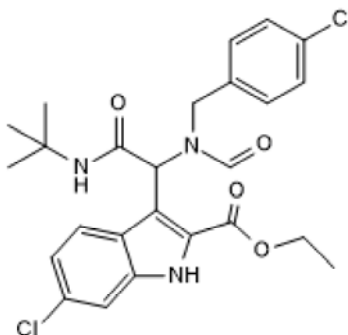
Batch No.: 1

CAS Number: 1364488-67-4

IUPAC Name: Ethyl 3-[2-(*tert*-butylamino)-1-[*N*-(4-chlorobenzyl)formamido]-2-oxoethyl]-6-chloro-1*H*-indole-2-carboxylate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₂₇Cl₂N₃O₄
Batch Molecular Weight: 504.41
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 20 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.53	5.4	8.33
Found	59.54	5.39	8.33

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

MDM2 inhibitor. Disrupts MDM2-p53 and activates p53 activity in vitro. Prevents mitotic catastrophe and promotes survival of aged muscle stem cells (muSCs). Also inhibits proliferation of AML cells in vitro.

Physical and Chemical Properties:

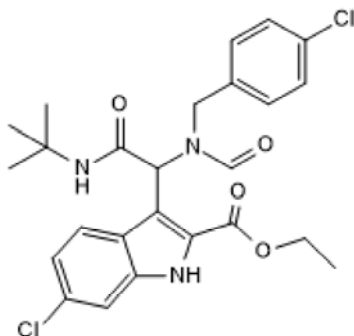
Batch Molecular Formula: C₂₅H₂₇Cl₂N₃O₄

Batch Molecular Weight: 504.41

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 20 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Liu *et al* (2018) Impaired notch signaling leads to a decrease in p53 activity and mitotic catastrophe in aged muscle stem cells. *Cell Stem Cell.* **23** 544. PMID: 30244867.

Huang *et al* (2014) Discovery of highly potent p53-MDM2 antagonists and structural basis for anti-acute myeloid leukemia activities. *ACS Chem.Biol.* **9** 802. PMID: 24405416.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956