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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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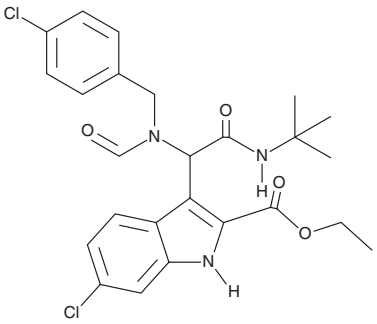
PRODUCT INFORMATION

YH 239-EE

Item No. 27678

CAS Registry No.:	1364488-67-4
Formal Name:	6-chloro-3-[1-[[(4-chlorophenyl)methyl] formylamino]-2-[(1,1-dimethylethyl) amino]-2-oxoethyl]-1H-indole-2-carboxylic acid, ethyl ester
MF:	$C_{25}H_{27}Cl_2N_3O_4$
FW:	504.4
Purity:	≥98%
UV/Vis.:	λ_{max}: 220, 308 nm
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

YH 239-EE is supplied as a solid. A stock solution may be made by dissolving the YH 239-EE in the solvent of choice, which should be purged with an inert gas. YH 239-EE is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of YH 239-EE in these solvents is approximately 2, 5, and 10 mg/ml, respectively.

YH 239-EE is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, YH 239-EE should first be dissolved in DMF and then diluted with the aqueous buffer of choice. YH 239-EE has a solubility of approximately 0.25 mg/ml in a 1:3 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

YH 239-EE is an ethyl ester prodrug form of YH 239, a potent inhibitor of the p53-MDM2 protein-protein interaction.[1] YH 239-EE (20 µM) inhibits the growth of OCI-AML-3 cells and halts the cell cycle at the sub-G_1 phase and induces apoptosis in NB4 and MOLM-13 cells.

Reference

1. Huang, y., Wolf, S., Beck, B., *et al*. Discovery of highly potent p53-MDM2 antagonists and structural basis for anti-acute myeloid leukemia activities. *ACS Chem. Biol.* **9(3)**, 802-811 (2014).

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