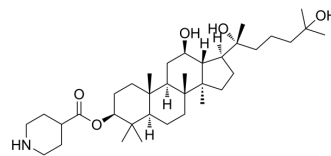


## Anticancer agent 65

Cat. No.:	HY-146105
CAS No.:	2407861-48-5
Molecular Formula:	C <sub>36</sub> H <sub>63</sub> NO <sub>5</sub>
Molecular Weight:	589.89
Target:	Apoptosis; MDM-2/p53; MMP; Bcl-2 Family; Reactive Oxygen Species
Pathway:	Apoptosis; Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Anticancer agent 65 (compound 4c) shows excellent activity in cancer cell lines, especially A549 cells, with an IC <sub>50</sub> of 1.07 μM. Anticancer agent 65 induces S-phase arrest in A549 cells and increases the expression level of p53 and p21. Anticancer agent 65 causes apoptosis, ROS generation and collapse of MMP in A549 cells <sup>[1]</sup> .		
IC <sub>50</sub> & Target	MMP	Bcl-2	Bax
In Vitro	Anticancer agent 65 (compound 4c) increases the expression of Bax and decrease that of Bcl-2 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

### REFERENCES

[1]. Ma L, Wang X, Li W, Miao D, Li Y, Lu J, Zhao Y. Synthesis and anti-cancer activity studies of dammarane-type triterpenoid derivatives. Eur J Med Chem. 2020 Feb 1;187:111964.

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

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