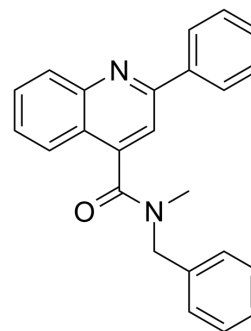


## Tubulin inhibitor 12

<b>Cat. No.:</b>	HY-143250
<b>CAS No.:</b>	92575-00-3
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>20</sub> N <sub>2</sub> O
<b>Molecular Weight:</b>	352.43
<b>Target:</b>	Microtubule/Tubulin
<b>Pathway:</b>	Cell Cycle/DNA Damage; Cytoskeleton
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Tubulin inhibitor 12 (Hit 9) is a novel tubulin inhibitor (IC <sub>50</sub> =25.3 μM). Tubulin inhibitor 12 shows anti-tumor activity and anti-proliferative activity <sup>[1]</sup> .	
<b>In Vitro</b>	Tubulin inhibitor 12 (0-100 μM; 72 h) shows moderate and broad-spectrum anti-proliferative activity <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Proliferation Assay <sup>[1]</sup>	
	Cell Line:	HepG2, A549, and HCT116 cells
	Concentration:	0-100 μM
	Incubation Time:	72 hours
	Result:	Showed IC <sub>50</sub> values of 49.13, 52.84, and 70.10 μM for HepG2, A549, and HCT116 cells, respectively.

### REFERENCES

[1]. Wei Liu, et al. Discovery of novel tubulin inhibitors targeting the colchicine binding site via virtual screening, structural optimization and antitumor evaluation. Bioorg Chem. 2022 Jan;118:105486.

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

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