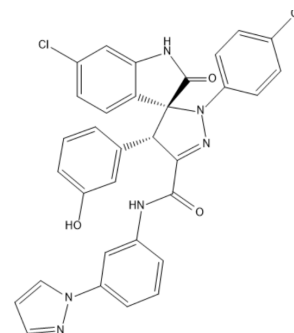


## MDM2/4-p53-IN-1

Cat. No.:	HY-151169
Molecular Formula:	C <sub>32</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	609.47
Target:	MDM-2/p53
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	MDM2/4-p53-IN-1 is a potent MDM2-p53 and MDM4-p53 inhibitor with IC <sub>50</sub> values of 35.9, 57.4 nM, respectively. MDM2/4-p53-IN-1 shows antiproliferative activity <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 35.9 nM (MDM2-p53); 57.4 nM (MDM4-p53) <sup>[1]</sup>								
<b>In Vitro</b>	<p>MDM2/4-p53-IN-1 (compound 3f) (0-100 μM; 48-96 h) shows antiproliferative activity with IC<sub>50</sub> values of 20.9, 14.7, 11.5, 12.4 μM for HCT116, SJSA-1, LNCaP, MCF-7 cells, respectively<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>HCT116, SJSA-1, LNCaP, MCF-7 cells</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 h (HCT116), 72 h (MCF7), 96 h (SJSA-1, LNCaP)</td> </tr> <tr> <td>Result:</td> <td>Showed antiproliferative activity with IC<sub>50</sub> values of 20.9, 14.7, 11.5, 12.4 μM for HCT116, SJSA-1, LNCaP, MCF-7 cells, respectively.</td> </tr> </table>	Cell Line:	HCT116, SJSA-1, LNCaP, MCF-7 cells	Concentration:	0-100 μM	Incubation Time:	48 h (HCT116), 72 h (MCF7), 96 h (SJSA-1, LNCaP)	Result:	Showed antiproliferative activity with IC <sub>50</sub> values of 20.9, 14.7, 11.5, 12.4 μM for HCT116, SJSA-1, LNCaP, MCF-7 cells, respectively.
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### REFERENCES

[1]. Espadinha M, et al. Discovery of MDM2-p53 and MDM4-p53 protein-protein interactions small molecule dual inhibitors. Eur J Med Chem. 2022 Aug 5;241:114637.

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

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