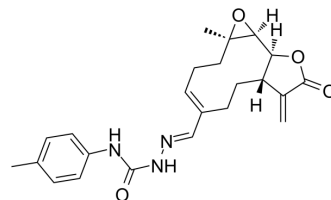


## NF-κB-IN-5

Cat. No.:	HY-147682
CAS No.:	2425675-52-9
Molecular Formula:	C <sub>23</sub> H <sub>27</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	409.48
Target:	NF-κB; Apoptosis
Pathway:	NF-κB; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	NF-κB-IN-5 (compound 4d) is an orally active and potent NF-κB inhibitor by interacting directly with NF-κB. NF-κB-IN-5 shows antitumor activity against human cancer cell lines (HCT116, U87-MG, HepG2, BGC823, PC9), with IC <sub>50</sub> values of 5.35, 2.81, 2.83, 2.02 and 3.90 μM, respectively. NF-κB-IN-5 induces apoptosis in U87-MG tumor cell and cell cycle arrest in G <sub>0</sub> /G <sub>1</sub> phase <sup>[1]</sup> .
<b>In Vivo</b>	NF-κB-IN-5 (C57BL/6 mice bearing MC38, 40.0 mg/kg, PO, for 12 days, once a day) shows promising antitumor activity against mice colon tumor <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Jia X, et al. Synthesis, cytotoxicity, and in vivo antitumor activity study of parthenolide semicarbazones and thiosemicarbazones. *Bioorg Med Chem*. 2020 Jul 1;28(13):115557.

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

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