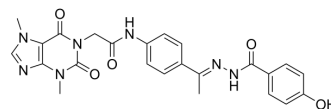


## VEGFR-2-IN-36

Cat. No.:	HY-155242
Molecular Formula:	C <sub>24</sub> H <sub>23</sub> N <sub>7</sub> O <sub>5</sub>
Molecular Weight:	489.48
Target:	VEGFR; Bcl-2 Family; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	VEGFR-2-IN-36 (compound 15) is a VEGFR-2 inhibitor (IC <sub>50</sub> : 0.067 μM) and inducer of apoptosis with anticancer activity. VEGFR-2-IN-36 upregulates BAX levels and downregulates Bcl-2 levels. VEGFR-2-IN-36 is toxic to cancer cells, MCF-7 (IC <sub>50</sub> = 0.42 μM) and HepG2 (IC <sub>50</sub> = 0.22 μM) <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.067 μM (VEGFR-2) <sup>[1]</sup>

### REFERENCES

[1]. Eissa IH, et al. Design, semi-synthesis, anti-cancer assessment, docking, MD simulation, and DFT studies of novel theobromine-based derivatives as VEGFR-2 inhibitors and apoptosis inducers. *Comput Biol Chem.* 2023 Aug 30;107:107953..

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

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