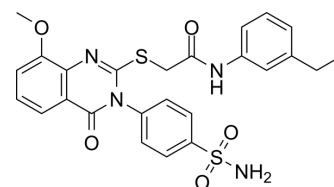


## Bcl-2-IN-6

<b>Cat. No.:</b>	HY-144791
<b>CAS No.:</b>	3027734-50-2
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>24</sub> N <sub>4</sub> O <sub>5</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	524.61
<b>Target:</b>	Bcl-2 Family; MDM-2/p53; Caspase; Apoptosis
<b>Pathway:</b>	Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	Bcl-2-IN-6 (compound 10) is a potent Bcl-2 (B-cell lymphoma-2) inhibitor. Bcl-2-IN-7 down-regulates the expression of Bcl-2, and increases the expression of p53, Bax, and caspase-7 mRNA. Bcl-2-IN-7 induces cell cycle arrest and apoptosis in breast cancer MCF-7 cells. Bcl-2-IN-7 shows good anticancer activity, with IC <sub>50</sub> values of 20.91, 22.30, 42.29, and 48.00 μM against MCF-7, LoVo, HepG2, and A549 cell lines, respectively <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	Bcl-2	Bax	Caspase-7

## REFERENCES

[1]. Alqahtani AS, et al. Novel sulphonamide-bearing methoxyquinazolinone derivatives as anticancer and apoptosis inducers: synthesis, biological evaluation and in silico studies. J Enzyme Inhib Med Chem. 2022 Dec;37(1):86-99.

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

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