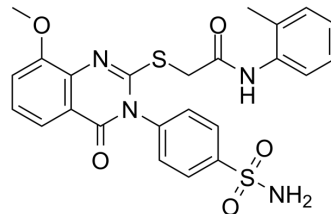


Bcl-2-IN-7

Cat. No.:	HY-144792
Molecular Formula:	C ₂₄ H ₂₂ N ₄ O ₅ S ₂
Molecular Weight:	510.59
Target:	Bcl-2 Family; MDM-2/p53; Caspase; Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bcl-2-IN-7 (compound 6) 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 ₅₀ values of 20.17, 22.64, 45.57, and 51.50 μM against MCF-7, LoVo, HepG2, and A549 cell lines, respectively ^[1] .		
IC₅₀ & Target	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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