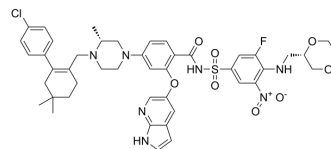


Bcl-2-IN-11

Cat. No.:	HY-153953
CAS No.:	2760536-88-5
Molecular Formula:	C ₄₅ H ₄₉ ClFN ₇ O ₈ S
Molecular Weight:	902.43
Target:	Bcl-2 Family
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bcl-2-IN-11 (compound 6) is a potent and selective Bcl-2 activity inhibitor, with an IC ₅₀ of 0.9 nM. Bcl-2-IN-11 shows weak inhibition of Bcl-xL (IC ₅₀ > 1000 nM). Bcl-2-IN-11 can be used for the research of a variety of cancers caused by abnormal overexpression of Bcl-2 family proteins: especially malignant hematologic diseases of acute lymphoid leukemia, etc. Bcl-2-IN-11 can also avoid toxic side effects caused by Bcl-xL inhibition, such as thrombocytopenia ^[1] .	
IC₅₀ & Target	Bcl-2 0.9 nM (IC ₅₀)	Bcl-xL >1000 nM (IC ₅₀)
In Vitro	Bcl-2-IN-11 (compound 6) inhibits the proliferation of RS4;11 acute lymphocyte cells, with an IC ₅₀ of 2.37 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Kong Xianglong, et al. Heterocyclic compound as bcl-2 inhibitor. WO2022028353A1.

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

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