

Bak BH3

Cat. No.:	HY-P0300
CAS No.:	300349-67-1
Molecular Formula:	$C_{72}H_{125}N_{25}O_{24}$
Molecular Weight:	1724.9
Sequence:	Gly-Gln-Val-Gly-Arg-Gln-Leu-Ala-Ile-Ile-Gly-Asp-Asp-Ile-Asn-Arg
Sequence Shortening:	GQVGRQLAIGDDINR
Target:	Bcl-2 Family
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Bak BH3 is derived from the BH3 domain of Bak, can antagonize the function of Bcl-xL in cells.
IC ₅₀ & Target	Bcl-xL
In Vitro	Bak BH3 peptide antagonize the protective effects of microinjected Bcl-xL in α -Fas-treated HeLa cells, whereas a mutant Bak BH3 peptide that no longer binds Bcl-xL is inactive ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Cell Assay ^[1]	Cells are plated in complete DMEM in 96-well tissue culture plates at 4×10^3 /well. After 24 h, cells are washed with PBS and treated with peptides (50 μ M) in SF-DMEM. Cell viability is determined by staining unfixed cells with calcein AM/ethidium homodimer, followed by microscopic analysis of cell staining and cellular morphology on a Nikon Diaphot 300 inverted microscope equipped with a fluorescence module. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
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REFERENCES

[1]. Holinger EP, et al. Bak BH3 peptides antagonize Bcl-xL function and induce apoptosis through cytochrome c-independent activation of caspases. J Biol Chem. 1999 May 7;274(19):13298-304.

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

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