

Oblimersen sodium

Cat. No.:	HY-118874A
Molecular Formula:	$C_{172}H_{204}N_{62}Na_{17}O_{91}P_{17}S_{17}$
Molecular Weight:	6058.28
Target:	Apoptosis; Bcl-2 Family
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Oblimersen (sodium)

BIOLOGICAL ACTIVITY

Description

Oblimersen sodium is a BCL-2 inhibitor targeting BCL-2 RNA. Oblimersen sodium specifically binds to the first six codons of the bcl-2 mRNA sequence, resulting in degradation of bcl-2 mRNA and induces apoptosis by down-regulating expression of Bcl-2. Oblimersen sodium can be used for cancer research^{[1][2][3]}.

REFERENCES

- [1]. Lorient Y, et, al. Inhibition of BCL-2 in small cell lung cancer cell lines with oblimersen, an antisense BCL-2 oligodeoxynucleotide (ODN): in vitro and in vivo enhancement of radiation response. *Anticancer Res.* 2010 Oct;30(10):3869-78.
- [2]. Hu Y, et, al. Antitumor efficacy of oblimersen Bcl-2 antisense oligonucleotide alone and in combination with vinorelbine in xenograft models of human non-small cell lung cancer. *Clin Cancer Res.* 2004 Nov 15;10(22):7662-70.
- [3]. Klasa RJ, et, al. Oblimersen Bcl-2 antisense: facilitating apoptosis in anticancer treatment. *Antisense Nucleic Acid Drug Dev.* 2002 Jun;12(3):193-213.

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

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