

ODN M362

Cat. No.:	HY-150750	
CAS No.:	934655-87-5	
Molecular Weight:	8049.5	
Sequence:	DNA, d(P-thio)(T-C-G-T-C-G-T-C-G-T-T-C-G-A-A-C-G-A-C-G-T-T-G-A-T)	DNA, d(P-thio)(T-C-G-T-C-G-T-C-G-T-T-C-G-A-A-C-G-A-C-G-T-T-G-A-T)
Target:	Toll-like Receptor (TLR); Apoptosis	
Pathway:	Immunology/Inflammation; Apoptosis	
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (12.42 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		0.1242 mL	0.6212 mL	1.2423 mL
		5 mM		0.0248 mL	0.1242 mL	0.2485 mL
	10 mM		0.0124 mL	0.0621 mL	0.1242 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	ODN M362, a class C oligodeoxynucleotide, is a TLR-9 agonist and can be used as a vaccine adjuvant. ODN M362 induces cancer cell apoptosis ^{[1][2]} .
IC₅₀ & Target	TLR9

REFERENCES

- [1]. Babaer D, et al. Oligodeoxynucleotides ODN 2006 and M362 Exert Potent Adjuvant Effect through TLR-9/-6 Synergy to Exaggerate Mammaglobin-A Peptide Specific Cytotoxic CD8+T Lymphocyte Responses against Breast Cancer Cells. *Cancers (Basel)*. 2019 May 14;11(5):672.
- [2]. Zhang Y, et al. Phosphorothioate-modified CpG oligodeoxynucleotide (CpG ODN) induces apoptosis of human hepatocellular carcinoma cells independent of TLR9. *Cancer Immunol Immunother*. 2014 Apr;63(4):357-67.

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

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