

ODN D-SL01

Cat. No.:	HY-150748
CAS No.:	1198621-84-9
Molecular Weight:	8340.7
Sequence:	DNA, d(P-thio)(T-C-G-C-G-A-C-G-T-T-C-G-C-C-C-G-A-C-G-T-T-C-G-G-T-A)
Target:	Toll-like Receptor (TLR)
Pathway:	Immunology/Inflammation
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

DNA, d(P-thio)(T-C-G-C-G-A-C-G-T-T-C-G-C-C-C-G-A-C-G-T-T-C-G-G-T-A)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 20 mg/mL (2.40 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.1199 mL	0.5995 mL	1.1989 mL
	5 mM	---	---	---
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ODN D-SL01, a class B CpG ODN (oligodeoxynucleotide), is a TLR9 agonist. ODN D-SL01 has strong immunostimulatory activity in a variety of vertebrate species and has anticancer activity. ODN D-SL01 sequence: 5'- T-C-G-C-G-A-C-G-T-T-C-G-C-C-C-G-A-C-G-T-T-C-G-G-T-A-3'^[1].

REFERENCES

[1]. Liang Yang, et al. CpG oligodeoxynucleotides with double stem-loops show strong immunostimulatory activity. Int Immunopharmacol. 2013 Jan;15(1):89-96

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

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