

## Biotin-labeled ODN 1826 sodium

**Cat. No.:** HY-146245A  
**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)

**Biotin-labeled ODN 1826**

### BIOLOGICAL ACTIVITY

#### Description

Biotin-labeled ODN 1826 (sodium), a class B CpG ODN (oligodeoxynucleotide), is a TLR9 agonist. Biotin-labeled ODN 1826 (sodium) can be used to evaluate CpG ODN cellular uptake and localization using a biotin detection system and light microscopy.

### REFERENCES

- [1]. Krogmann AO, et al. Proinflammatory Stimulation of Toll-Like Receptor 9 with High Dose CpG ODN 1826 Impairs Endothelial Regeneration and Promotes Atherosclerosis in Mice. PLoS One. 2016 Jan 11;11(1):e0146326.
- [2]. Utainsincharoen P, et al. CpG ODN activates NO and iNOS production in mouse macrophage cell line (RAW 264.7). Clin Exp Immunol. 2002 Jun;128(3):467-73.
- [3]. Yuan S, et al. CpG oligodeoxynucleotide 1826 enhances the Lewis lung cancer response to radiotherapy in murine tumor. Cancer Biother Radiopharm. 2011 Apr;26(2):203-8.

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

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