

ODN 105870

Cat. No.:	HY-150215
CAS No.:	1965342-40-8
Sequence:	DNA, d(P-thio)(T-C-C-T-G-G-C-c7G-G-G-A-A-G-T)
Target:	Toll-like Receptor (TLR)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

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BIOLOGICAL ACTIVITY

Description	ODN 105870, a G-modified inhibitory oligonucleotide (INH-ODN), is a selective TLR7 inhibitor. ODN 105870 can be used for inflammatory immune responses research ^[1] .
In Vitro	ODN 105870 potently inhibits the TLR7-induced TNF- α response in bone marrow-derived macrophages (BMDMs) ^[1] . In case of Imiquimod-stimulated B cells, ODN 105870 (10 μ M) reduces the ATP content to the pretreatment level ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Franziska Römmler, et al. Guanine modification of inhibitory oligonucleotides potentiates their suppressive function. J Immunol. 2013 Sep 15;191(6):3240-53.

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

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