

## Agatolimod sodium

Cat. No.:	HY-150218
CAS No.:	541547-35-7
Molecular Weight:	8204
Sequence:	DNA, d(P-thio)(T-C-G-T-C-G-T-T-T-T-G-T-C-G-T-T-T-T-G-T-C-G-T-T)
Target:	Toll-like Receptor (TLR)
Pathway:	Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

## Agatolimod (sodium)

### BIOLOGICAL ACTIVITY

Description	Agatolimod sodium (ODN 2006) is a class B CpG ODN and is a TLR9 agonist. Agatolimod sodium can be used as vaccine adjuvant. Agatolimod sodium can be used for the research of cancer. Sequence: 5'-TCGTCGTTTTGTCGTTTTGTCGTT-3' <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	TLR9
In Vitro	Agatolimod sodium (ODN 2006) (10 µg/mL; 24 and 48 h) increases radiation sensitivity of radiation-resistant human lung adenocarcinoma cell line by overexpression of TLR9 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Yan L, et al. CpG-ODN 7909 increases radiation sensitivity of radiation-resistant human lung adenocarcinoma cell line by overexpression of Toll-like receptor 9. Cancer Biother Radiopharm. 2013 Sep;28(7):559-64.

[2]. Cooper CL, et al. Safety and immunogenicity of CPG 7909 injection as an adjuvant to Fluarix influenza vaccine. Vaccine. 2004 Aug 13;22(23-24):3136-43.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA