SPC4061

Cat. No.:	HY-148689
CAS No.:	1018108-22-9
Target:	Ser/Thr Protease
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	SPC4061 an antisense nucleotide, is a potent PCSK9 inhibitor. SPC4061 targets the lock-in nucleic acid (LNA) of PCSK9 for the study of hypercholesterolemia and related diseases[1][2].
In Vitro	SPC4061 reduces PCSK9 mRNA levels in treated cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	SPC4061 (20 mg/kg first s.c.; and 5 mg/kg at day 7-28, once weekly for 4 weeks) produces a significant reduction in serum PCSK9 protein levels in monkey models[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li Chuan-Yuan, et al. PCSK9 inhibitor compositions and methods for the treatment of cancer associated with PCSK9 expression: World Intellectual Property Organization, WO2020005869 A2 2020-01-02.

[2]. Lindholm MW, et al. PCSK9 LNA antisense oligonucleotides induce sustained reduction of LDL cholesterol in nonhuman primates. Mol Ther. 2012 Feb;20(2):376-81.

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