

Volanesorsen

Cat. No.:	HY-145727
CAS No.:	915430-78-3
Molecular Weight:	7165
Sequence:	DNA, d(P-thio)([2'-O-(2-methoxyethyl)]rA-[2'-O-(2-methoxyethyl)]rG-[2'-O-(2-methoxyethyl)]m5rC-[2'-O-(2-methoxyethyl)]m5rU-[2'-O-(2-methoxyethyl)]m5rU-m5C-T-T-G-T-m5C-m5C-A-G-m5C-[2'-O-(2-methoxyethyl)]m5rU-[2'-O-(2-methoxyethyl)]m5rU-[2'-O-(2-methoxyethyl)]m5rU-[2'-O-(2-methoxyethyl)]rA-[2'-O-(2-methoxyethyl)]m5rU)
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Volanesorsen

SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (6.98 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		0.1396 mL	0.6978 mL	1.3957 mL
	5 mM		0.0279 mL	0.1396 mL	0.2791 mL
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Volanesorsen is an antisense oligonucleotide that targets Apolipoprotein C-III (APOC3) mRNA. Volanesorsen is used for the study of familial chylomicronemia syndrome.

REFERENCES

- [1]. Post N, Yu R, Greenlee S, et al. Metabolism and Disposition of Volanesorsen, a 2'-O-(2-methoxyethyl) Antisense Oligonucleotide, Across Species. *Drug Metab Dispos.* 2019;47(10):1164-1173.
- [2]. Graham MJ, Lee RG, Bell TA 3rd, et al. Antisense oligonucleotide inhibition of apolipoprotein C-III reduces plasma triglycerides in rodents, nonhuman primates, and humans. *Circ Res.* 2013;112(11):1479-1490.
- [3]. Gaudet D, Brisson D, Tremblay K, et al. Targeting APOC3 in the familial chylomicronemia syndrome. *N Engl J Med.* 2014;371(23):2200-2206.

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

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