

## Fitusiran

<b>Cat. No.:</b>	HY-132587
<b>CAS No.:</b>	1499251-18-1
<b>Sequence:</b>	RNA, ((2'-deoxy-2'-fluoro)G-sp-Gm-sp-(2'-deoxy-2'-fluoro)U-Um-(2'-deoxy-2'-fluoro)A-Am-(2'-deoxy-2'-fluoro)C-Am-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)A-Um-(2'-deoxy-2'-fluoro)U-Um-(2'-deoxy-2'-fluoro)A-Cm-(2'-deoxy-2'-fluoro)U-Um-(2'-deoxy-2'-fluoro)C-Am-(2'-deoxy-2'-fluoro)A),3'-[[[(2S,4R)-1-[29-[[2-(acetylamino)-2-deoxy-β-D-galactopyranosyl]oxy]-14,14-bis[[3-[[3-[[5-[[2-(acetylamino)-2-deoxy-β-Dgalactopyranosyl]oxy]-1-oxopentyl]amino]propyl]amino]-3-oxopropoxy]methyl]-1,12,19,25-tetraoxo-16-oxa-13,20,24-triazanonacos-1-yl]-4-hydroxy-2-pyrrolidinyl]methyl hydrogen phosphate], complex with RNA (Um-sp-(2'-deoxy-2'-fluoro)U-sp-Gm-(2'-deoxy-2'-fluoro)A-Am-(2'-deoxy-2'-fluoro)G-Um-(2'-deoxy-2'-fluoro)A-Am-(2'-deoxy-2'-fluoro)A-Um-Gm-Gm-(2'-deoxy-2'-fluoro)U-Gm-(2'-deoxy-2'-fluoro)U-Um-(2'-deoxy-2'-fluoro)A-Am-(2'-deoxy-2'-fluoro)C-Cm-sp-Am-sp-Gm)
<b>Target:</b>	Factor Xa; Small Interfering RNA (siRNA)
<b>Pathway:</b>	Metabolic Enzyme/Protease; Epigenetics
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

# Fitusiran

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 50 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

<b>Description</b>	Fitusiran (ALN-AT3SC), an small interfering RNA, specifically targets antithrombin (AT) messenger RNA to lower production of AT in the liver. Fitusiran increases thrombin generation and has the potential for the research of the hemophilia <sup>[1]</sup> .
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### REFERENCES

[1]. Pasi KJ, et al. Targeting of antithrombin in hemophilia A or B with investigational siRNA therapeutic fitusiran-Results of the phase 1 inhibitor cohort. J Thromb Haemost. 2021;19(6):1436-1446.

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

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