

Fitusiran (sodium)

Cat. No.:	HY-132587A
Batch No.:	405143
Chemical Name:	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]-1,4,14-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), sodium salt

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₅₂₀ H ₆₃₅ F ₂₁ N ₁₇₅ Na ₄₄ O ₃₀₉ P ₄₃ S ₆
Molecular Weight:	17215.34
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:

Fitusiran (sodium)

ANALYTICAL DATA

Appearance:	Off-white to light yellow (Solid)
LCMS:	Consistent with structure
Purity (LCMS):	94.68%
Conclusion:	The product has been tested and complies with the given specifications.

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

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