

Lumasiran

Cat. No.:	HY-132588
CAS No.:	1834610-13-7
Batch No.:	158942
Chemical Name:	RNA, (Gm-sp-Am-sp-Cm-Um-Um-Um-(2'-deoxy-2'-fluoro)C-Am-(2'-deoxy-2'-fluoro)U-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)C-Um-Gm-Gm-Am-Am-Am-Um-Am-Um-Am),3'-[[[(2S,4R)-1-[29-[[2-(acetylamino)-2-deoxy-β-Dgalactopyranosyl]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)A-sp-Um-Am-Um-(2'-deoxy-2'-fluoro)U-Um-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)C-Am-Gm-Gm-Am-(2'-deoxy-2'-fluoro)U-Gm-(2'-deoxy-2'-fluoro)A-Am-Am-Gm-Um-Cm-sp-Cm-sp-Am) (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₅₃₀ H ₇₁₂ F ₁₀ N ₁₇₃ O ₃₂₀ P ₄₃ S ₆
Molecular Weight:	16339.00 (AS: 7631.0 +SS: 8708.0)
Storage:	-20°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)

Chemical Structure:

Lumasiran

ANALYTICAL DATA

Appearance:	White to off-white (Solid)
MS:	Consistent with structure
Purity (HPLC):	95.37%
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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