

Patisiran N/P Ratio

N/P = molar ratio of cationic lipid nitrogen (N) to siRNA phosphate (P)			
<u>Cationic lipid</u>			
MC3 molecular weight		642	g/mol
Concentration of MC3		13	mg/mL
Molar concentration nitrogen (N)		20.25	mmol/L
<u>siRNA Duplex</u>			
	Number Nucleotides	Number phosphates	
Sense strand	21	20	
Antisense strand	21	20	
Duplex	42	40	
Duplex molecular weight		13,590	g/mol
Concentration of siRNA		2	mg/mL
Molar concentration of siRNA		0.147	mmol/L
Posphates per duplex		40	
Molar concentration of phosphate (P)		5.89	mmol/L
Ratio of N/P		3.4	