

## Patisiran N/P Ratio

<b>N/P = molar ratio of cationic lipid nitrogen (N) to siRNA phosphate (P)</b>			
<b><u>Cationic lipid</u></b>			
MC3 molecular weight		642	g/mol
Concentration of MC3		13	mg/mL
<b>Molar concentration nitrogen (N)</b>		<b>20.25</b>	<b>mmol/L</b>
<b><u>siRNA Duplex</u></b>			
	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	
<b>Molar concentration of phosphate (P)</b>		<b>5.89</b>	<b>mmol/L</b>
<b>Ratio of N/P</b>		<b>3.4</b>	