LISTING OF EXAMPLE FORMULATIONS FALLING WITHIN THE SCOPE OF THE '069 PATENT CLAIMS

Publication	Formulations	Gene/Gene Target	In vivo testing
'069 patent *E.g.,* EX1001, Examples 2-11 (69:5-85:21), Figures 1-22	**1.4%|57.1%|7.1%|34.3%** PEG-cDMA, DLinDMA, DPPC, cholesterol PEG-cDMA, DLinDMA, DPPE, cholesterol PEG-cDMA, DLinDMA, DPPC, cholestanol PEG$_{5000}$-cDMA, DLinDMA, DPPC, cholesterol PEG-cDMA, DODMA, DPPC, cholesterol PEG-cDSA, DLinDMA, DPPC, cholesterol	ApoB Eg5 Plk-1 (siRNA)	Mouse
'943 patent *E.g.,* EX2010, Examples 10-16 (150:1-160:62), Figures 1-17	**1.4%|57.1%|7.1%|34.3%** PEG-cDMA, DLinDMA, DPPC, cholesterol PEG-cDMA, DLin-K-C2-DMA, DPPC, cholesterol PEG-cDMA, DLin-K-C3-DMA, DPPC, cholesterol PEG-cDMA, DLin-KC4-DMA, DPPC, cholesterol PEG-cDMA, DLin-K6-DMA, DPPC, cholesterol PEG-cDMA, DLin-C2-DMA, DPPC, cholesterol PEG-cDMA, DLenDMA, DPPC, cholesterol PEG-cDMA, γ-DLenDMA, DPPC, cholesterol PEG-cDMA, DLin-K-DMA, DPPC, cholesterol PEG-cDMA, DLinMorph, DPPC, cholesterol PEG-cDMA, Linoley1/Oleyl DMA, DPPC, cholesterol PEG-cDMA, Linoley1/Phytanyl DMA, DPPC, cholesterol PEG-cDMA, Linoleyl/Stearyl DMA, DPPC, cholesterol PEG-cDMA, Linoley/C6:1 DMA, DPPC, cholesterol PEG-cDMA, TLinDMA, DPPC, cholesterol PEG-cDMA, Linoleyl/C6:0 DMA, DPPC, cholesterol PEG-cDMA, C2-DPanDMA, DPPC, cholesterol PEG-cDMA, DLin-C2K-Pip, DPPC, cholesterol PEG-cDMA, DHep-C2K-DMA, DPPC, cholesterol PEG-cDMA, DPan-C2K-DMA, DPPC, cholesterol PEG-cDMA, DPan-C3K-DMA, DPPC, cholesterol PEG-cDMA, DPan-C1K6-DMA, DPPC, cholesterol PEG-cDMA, γ-DLen-C2K-DMA, DPPC, cholesterol PEG-cDMA, DLen-C2K-DMA, DPPC, cholesterol	Various ApoB siRNAs (see Table 5)	Mouse

'307 publication *E.g.*, EX2011, Examples 14, 16-19 (¶¶420-423, 428-443), Figures 3-7	**1.4%|57.1%|7.1%|34.3%** PEG-cDMA, DLinDMA, DPPC, cholesterol PEG-cDMA, CP-DLinDMA, DPPC, cholesterol PEG-cDMA, CP-DLenDMA, DPPC, cholesterol PEG-cDMA, CP-γ-DLenDMA, DPPC, cholesterol PEG-cDMA, CP-DODMA, DPPC, cholesterol PEG-cDMA, CP-DPetroDMA, DPPC, cholesterol PEG-cDMA, C2-TLinDMA, DPPC, cholesterol PEG-cDMA, γ-LenMC3, DPPC, cholesterol PEG-cDMA, CP-γ-LenMC3, DPPC, cholesterol PEG-cDMA, LenMC3, DPPC, cholesterol PEG-cDMA, CP-LenMC3, DPPC, cholesterol PEG-cDMA, DLin-C2K-DMA, DPPC, cholesterol PEG-cDMA, DLin-M-C3-DMA, DPPC, cholesterol PEG-cDMA, D-γ-Len-C2K-DMA, DPPC, cholesterol PEG-cDMA, CP-γ-Len-C2K-DMA, DPPC, cholesterol PEG-cDMA, DLen-C2K-DMA, DPPC, cholesterol PEG-cDMA, CP-DLen-C2K-DMA, DPPC, cholesterol PEG-cDMA, MC2MC, DPPC, cholesterol PEG-cDMA, MC3 Ether, DPPC, cholesterol PEG-cDMA, Pan-MC3, DPPC, cholesterol PEG-cDMA, CP-MC3, DPPC, cholesterol PEG-cDMA, CP-C2K, DPPC, cholesterol	ApoB (siRNA)	Mouse
Semple *E.g.*, EX2021, Abstract, Figure 3, Table 2, 177-178	**1.4%|57.1%|7.1%|34.3%** PEG-cDMA, DLin-KC2-DMA, DPPC, cholesterol	TTR (siRNA)	Mouse, rat, non-human primate
'608 publication *E.g.*, EX2012, Tables 1-2, ¶¶42-44, 93-104	**1.5%|50%|10%|38.5%** PEG-DMG, DLin-MC3-DMA, DSPC, cholesterol	TTR (siRNA)	Human
'537 publication *E.g.*, EX2014, 86, 109 (Table 3), 120 (Example 16), Figure 12	**1.5%|60%|7.5%|31%** PEG-DMG, Lipid A, DSPC, cholesterol **1.5%|57.7%|7.5%|33.5%** PEG-DMG, Lipid A, DSPC, cholesterol **1.5%|55%|7.5%|36%** PEG-DMG, Lipid A, DSPC, cholesterol	Factor VII (siRNA)	Mouse

Sedic *E.g.,* EX2026, Abstract, 2-3, 5-8	**1.5%|50%|10%|38.5%** PEG-DMG, DLin-MC3-DMA, DSPC, cholesterol	EPO (mRNA)	Rat, non-human primate
'648 publication *E.g.,* EX2015, ¶¶16, 965-988	**1.5%|50%|10%|38.5%** PEG-cDOMG, DLin-KC2-DMA, DSPC, cholesterol	Factor IX G-CSF (mRNA)	Mouse, non-human primate
Bahl *E.g.,* EX2027, Abstract, Figures 1-5, 1317, 1320, 1322	**1.5%|50%|10%|38.5%** PEG-lipid, ionizable lipid, DSPC, cholesterol	H10, H7 (mRNA)	Mouse, ferret, non-human primate, human