

SEQUENCE LISTING

<110> SANOFI PASTEUR

<120> LIPIDIC COMPOUNDS AND COMPOSITIONS CONTAINING THEREOF, AND USES THEREOF

<130> PR86814

<160> 1

<170> BiSSAP 1.3.6

 $\langle 210 \rangle$ 1

<211> 566

<212> PRT

<213> Influenza A virus (A/Netherlands/602/2009(H1N1))

 $\langle 220 \rangle$

<223> Hemagglutinin

 $\langle 400 \rangle$ 1

Met 1	Lys	Ala	Ile	Leu 5	Val	Val	Leu	Leu	Tyr 10	Thr	Phe	Ala	Thr	Ala 15	Asn
Ala	Asp	Thr	Leu 20	Cys	Ile	Gly	Tyr	His 25	Ala	Asn	Asn	Ser	Thr 30	Asp	Thr
Val	Asp	Thr 35	Val	Leu	Glu	Lys	Asn 40	Val	Thr	Val	Thr	His 45	Ser	Val	Asn
Leu 50	Leu	Glu	Asp	Lys	His	Asn 55	Gly	Lys	Leu	Cys	Lys 60	Leu	Arg	Gly	Val
Ala 65	Pro	Leu	His	Leu	Gly 70	Lys	Cys	Asn	Ile	Ala 75	Gly	Trp	Ile	Leu 80	Gly
Asn	Pro	Glu	Cys	Glu 85	Ser	Leu	Ser	Thr	Ala 90	Ser	Ser	Trp	Ser	Tyr 95	Ile
Val	Glu	Thr	Ser 100	Ser	Ser	Asp	Asn	Gly 105	Thr	Cys	Tyr	Pro	Gly 110	Asp	Phe
Ile	Asp	Tyr 115	Glu	Glu	Leu	Arg	Glu 120	Gln	Leu	Ser	Ser	Val	Ser 125	Ser	Phe
Glu	Arg 130	Phe	Glu	Ile	Phe	Pro 135	Lys	Thr	Ser	Ser	Trp 140	Pro	Asn	His	Asp
Ser 145	Asn	Lys	Gly	Val 150	Thr	Ala	Ala	Cys	Pro	His 155	Ala	Gly	Ala	Lys	Ser 160
Phe	Tyr	Lys	Asn	Leu 165	Ile	Trp	Leu	Val	Lys 170	Lys	Gly	Asn	Ser	Tyr 175	Pro
Lys	Leu	Ser	Lys 180	Ser	Tyr	Ile	Asn	Asp 185	Lys	Gly	Lys	Glu	Val 190	Leu	Val
Leu	Trp	Gly 195	Ile	His	His	Pro	Ser 200	Thr	Ser	Ala	Asp 205	Gln	Gln	Ser	Leu
Tyr	Gln 210	Asn	Ala	Asp	Ala	Tyr 215	Val	Phe	Val	Gly	Ser 220	Ser	Arg	Tyr	Ser
Lys 225	Lys	Phe	Lys	Pro	Glu 230	Ile	Ala	Ile	Arg	Pro 235	Lys	Val	Arg	Asp	Gln 240
Glu	Gly	Arg	Met	Asn 245	Tyr	Tyr	Trp	Thr	Leu 250	Val	Glu	Pro	Gly	Asp 255	Lys

Ile	Thr	Phe	Glu	Ala	Thr	Gly	Asn	Leu	Val	Val	Pro	Arg	Tyr	Ala	Phe	260	265	270
Ala	Met	Glu	Arg	Asn	Ala	Gly	Ser	Gly	Ile	Ile	Ile	Ser	Asp	Thr	Pro	275	280	285
Val	His	Asp	Cys	Asn	Thr	Thr	Cys	Gln	Thr	Pro	Lys	Gly	Ala	Ile	Asn	290	295	300
Thr	Ser	Leu	Pro	Phe	Gln	Asn	Ile	His	Pro	Ile	Thr	Ile	Gly	Lys	Cys	305	310	315
Pro	Lys	Tyr	Val	Lys	Ser	Thr	Lys	Leu	Arg	Leu	Ala	Thr	Gly	Leu	Arg	320	325	330
Asn	Val	Pro	Ser	Ile	Gln	Ser	Arg	Gly	Leu	Phe	Gly	Ala	Ile	Ala	Gly	335	340	345
Phe	Ile	Glu	Gly	Gly	Trp	Thr	Gly	Met	Val	Asp	Gly	Trp	Tyr	Gly	Tyr	350	355	360
His	His	Gln	Asn	Glu	Gln	Gly	Ser	Gly	Tyr	Ala	Ala	Asp	Leu	Lys	Ser	365	370	375
Thr	Gln	Asn	Ala	Ile	Asp	Glu	Ile	Thr	Asn	Lys	Val	Asn	Ser	Val	Ile	380	385	390
Glu	Lys	Met	Asn	Thr	Gln	Phe	Thr	Ala	Val	Gly	Lys	Glu	Phe	Asn	His	395	400	405
Leu	Glu	Lys	Arg	Ile	Glu	Asn	Leu	Asn	Lys	Lys	Val	Asp	Asp	Gly	Phe	410	415	420
Leu	Asp	Ile	Trp	Thr	Tyr	Asn	Ala	Glu	Leu	Leu	Val	Leu	Leu	Glu	Asn	425	430	435
Glu	Arg	Thr	Leu	Asp	Tyr	His	Asp	Ser	Asn	Val	Lys	Asn	Leu	Tyr	Glu	440	445	450
Lys	Val	Arg	Ser	Gln	Leu	Lys	Asn	Asn	Ala	Lys	Glu	Ile	Gly	Asn	Gly	455	460	465
Cys	Phe	Glu	Phe	Tyr	His	Lys	Cys	Asp	Asn	Thr	Cys	Met	Glu	Ser	Val	470	475	480
Lys	Asn	Gly	Thr	Tyr	Asp	Tyr	Pro	Lys	Tyr	Ser	Glu	Glu	Ala	Lys	Leu	485	490	495
Asn	Arg	Glu	Glu	Ile	Asp	Gly	Val	Lys	Leu	Glu	Ser	Thr	Arg	Ile	Tyr	500	505	510
Gln	Ile	Leu	Ala	Ile	Tyr	Ser	Thr	Val	Ala	Ser	Ser	Leu	Val	Leu	Val	515	520	525
Val	Ser	Leu	Gly	Ala	Ile	Ser	Phe	Trp	Met	Cys	Ser	Asn	Gly	Ser	Leu	530	535	540
Gln	Cys	Arg	Ile	Cys	Ile											545	550	555
																560	565	