

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (ki-148)

FESOMERSEN SODIUM

PRONUNCIATION

fes" oh mer' sen soe' dee um

THERAPEUTIC CLAIM

Prevention of thromboembolic events in ESKD patients on hemodialysis

CHEMICAL NAMES

DNA, d([2'-O-(2-methoxyethyl)]rA-sp-[2'-O-(2-methoxyethyl)]m5rC-[2'-O-(2-methoxyethyl)]rG-[2'-O-(2-methoxyethyl)]rG-[2'-O-(2-methoxyethyl)]m5rC-A-sp-T-sp-T-sp-G-sp-G-sp-T-sp-G-sp-m5C-sp-A-sp-m5C-sp-[2'-O-(2-methoxyethyl)]rA-[2'-O-(2-methoxyethyl)]rG-[2'-O-(2-methoxyethyl)]m5rU-sp-[2'-O-(2-methoxyethyl)]m5rU-sp-[2'-O-(2-methoxyethyl)]m5rU), 5'-[26-[[2-(acetylamino)-2-deoxy-β-D-galactopyranosyl]oxy]-14,14-bis[[3-[[6-[[2-(acetylamino)-2-deoxy-β-D-galactopyranosyl]oxy]hexyl]amino]-3-oxopropoxy]methyl]-8,12,19-trioxo-16-oxa-7,13,20-triazahexacos-1-yl hydrogen phosphate], sodium salt (1:20)

all-P-ambo-5'-O-(28-[(2-acetamido-2-deoxy-β-D-galactopyranosyl)oxy]-16,16-bis{[3-({6-[(2-acetamido-2-deoxy-β-D-galactopyranosyl)oxy]hex-yl)amino)-3-oxopropoxy]methyl}-1-hydroxy-1,10,14,21-tetraoxo-2,18-dioxa-9,15,22-triaza-1λ5-phosphaoctacosan-1-yl)-2'-O-(2-methoxyethyl)-*P*-thioadenylyl-(3'→5')-2'-O-(2-methoxyethyl)-5-methylcytidylyl-(3'→5')-2'-O-(2-methoxyethyl)guanylyl-(3'→5')-2'-O-(2-methoxyethyl)guanylyl-(3'→5')-2'-O-(2-methoxyethyl)-5-methylcytidylyl-(3'→5')-2'-deoxy-*P*-thioadenylyl-(3'→5')-*P*thiothymidylyl-(3'→5')-*P*thiothymidylyl-(3'→5')-2'-deoxy-*P*thioguanlylyl-(3'→5')-2'-deoxy-*P*thioguanlylyl-(3'→5')-*P*thiothymidylyl-(3'→5')-2'-deoxy-*P*thioguanlylyl-(3'→5')-2'-deoxy-5-methyl-*P*-thiocytidylyl-(3'→5')-2'-deoxy-*P*-thioadenylyl-(3'→5')-2'-deoxy-5-methyl-*P*-thiocytidylyl-(3'→5')-2'-O-(2-methoxyethyl)adenylyl-(3'→5')-2'-O-(2-methoxyethyl)guanylyl-(3'→5')-2'-O-(2-methoxyethyl)-5-methyl-*P*-thiouridylyl-(3'→5')-2'-O-(2-methoxyethyl)-5-methyluridine, sodium salt (1:20) (Source: WHO pINN list 124)

STRUCTURAL FORMULA

(3'-5') R1-A=C-G-G-C-d(A=T=T-G_T_G_C_A_C)A-G-U=U=U .20Na

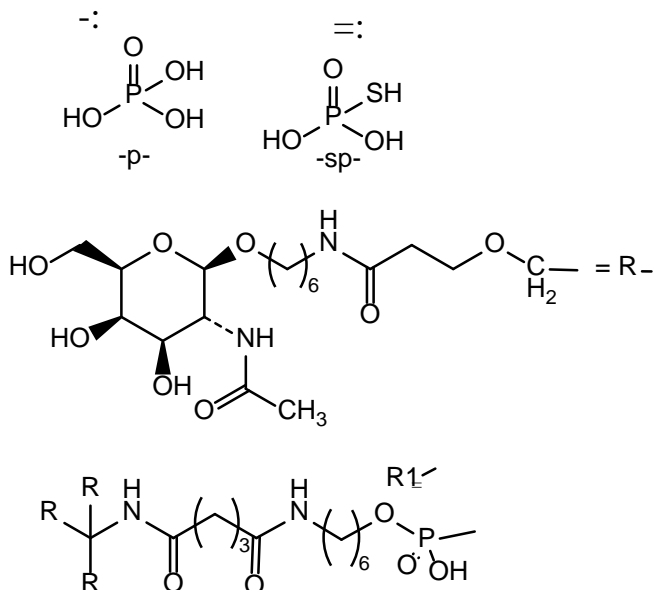
Legend:

A, G & T: 2'-deoxynucleotide

C: 2'-deoxy-5-methylcytidine

A & G: 2'-O-(2-methoxyethyl)nucleotide

C & U: 2'-O-(2-methoxyethyl)-5-methylnucleotide



MOLECULAR FORMULA	C ₂₉₆ H ₄₁₄ N ₈₂ O ₁₅₆ P ₂₀ S ₁₃ Na ₂₀
MOLECULAR WEIGHT	9113
TRADEMARK	None as yet
SPONSOR	IONIS Pharmaceuticals Inc.
CODE DESIGNATIONS	BAY 2976217 formerly known as ION-957943
<u>CAS</u> REGISTRY NUMBER	2380288-85-5
UNII	D8IRN5V2N6

bww