

December 30, 2014

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (BC-133)	VOLANESORSEN
PRONUNCIATION	voe lan" e sor' sen
THERAPEUTIC CLAIM	Treatment of familial chylomicronemia syndrome

CHEMICAL NAMES

1. DNA, d(*P*-thio)([2'-*O*-(2-methoxyethyl)]rA-[2'-*O*-(2-methoxyethyl)]rG-[2'-*O*-(2-methoxyethyl)]m⁵rC-[2'-*O*-(2-methoxyethyl)]m⁵rU-[2'-*O*-(2-methoxyethyl)]m⁵rU-m⁵C-T-T-G-T-m⁵C-m⁵C-A-G-m⁵C-[2'-*O*-(2-methoxyethyl)]m⁵rU-[2'-*O*-(2-methoxyethyl)]m⁵rU-[2'-*O*-(2-methoxyethyl)]m⁵rU-[2'-*O*-(2-methoxyethyl)]rA-[2'-*O*-(2-methoxyethyl)]m⁵rU)
2. 2'-*O*-(2-methoxyethyl)-*P*-thioadenylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-*P*-thioguanlylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-5-methyl-*P*-thiocytidylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-5-methyl-*P*-thiouridylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-5-methyl-*P*-thiouridylyl-(3'→5')-2'-deoxy-5-methyl-*P*-thiocytidylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-2'-deoxy-*P*-thioguanlylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-2'-deoxy-5-methyl-*P*-thiocytidylyl-(3'→5')-2'-deoxy-5-methyl-*P*-thiocytidylyl-(3'→5')-2'-deoxy-*P*-thioadenylyl-(3'→5')-2'-deoxy-*P*-thioguanlylyl-(3'→5')-2'-deoxy-5-methyl-*P*-thiocytidylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-5-methyl-*P*-thiouridylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-5-methyl-*P*-thiouridylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-5-methyl-*P*-thiouridylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-*P*-thioadenylyl-(3'→5')-2'-*O*-(2-methoxyethyl)-5-methyluridine

STRUCTURAL FORMULA

(5'-3')(*P*-thio)(Amoe-Gmoe-mCmoe-Tmoe-Tmoe-dmC-dT-dT-dG-dT-dmC-dmC-dA-dG-dmC-Tmoe-Tmoe-Tmoe-Amoe-Tmoe)

d (as prefix) = 2'-deoxy
m (as prefix) = 5-methyl
moe (as suffix) = 2'-*O*-[2-methoxy(ethyl)]

MOLECULAR FORMULA	C ₂₃₀ H ₃₂₀ N ₆₃ O ₁₂₅ P ₁₉ S ₁₉
MOLECULAR WEIGHT	7165
TRADEMARK	None as yet
SPONSOR	Isis Pharmaceuticals

CODE DESIGNATIONS ISIS 304801, free acid

CAS REGISTRY NUMBER 915430-78-3

UNII 2O4BE0K238

WHO NUMBER 10166

gbk