

December 30, 2014

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (bc-134)	VOLANESORSEN SODIUM
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)]m<sup>5</sup>rC-[2'-*O*-(2-methoxyethyl)]m<sup>5</sup>rU-[2'-*O*-(2-methoxyethyl)]m<sup>5</sup>rU-m<sup>5</sup>C-T-T-G-T-m<sup>5</sup>C-m<sup>5</sup>C-A-G-m<sup>5</sup>C-[2'-*O*-(2-methoxyethyl)]m<sup>5</sup>rU-[2'-*O*-(2-methoxyethyl)]m<sup>5</sup>rU-[2'-*O*-(2-methoxyethyl)]m<sup>5</sup>rU-[2'-*O*-(2-methoxyethyl)]rA-[2'-*O*-(2-methoxyethyl)]m<sup>5</sup>rU), sodium salt (1:19)
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 nonadecasodium salt

## STRUCTURAL FORMULA

$$19 \text{ Na}^+ [(5'-3')(P\text{-thio})(A\text{moe-Gmoe-mCmoe-Tmoe-Tmoe-dmC-dT-dT-dG-dT-dmC-dmC-dA-dG-dmC-Tmoe-Tmoe-Tmoe-Amoe-Tmoe})]^{19-}$$

d (as prefix) = 2'-deoxy

m (as prefix) = 5-methyl

moe (as suffix) = 2'-*O*-[2-methoxy(ethyl)]

MOLECULAR FORMULA	C <sub>230</sub> H <sub>301</sub> N <sub>63</sub> Na <sub>19</sub> O <sub>125</sub> P <sub>19</sub> S <sub>19</sub>
MOLECULAR WEIGHT	7583
TRADEMARK	None as yet
SPONSOR	Isis Pharmaceuticals

CODE DESIGNATIONS            ISIS 304801, salt

CAS REGISTRY NUMBER        1573402-50-2

UNII                                6JON30SLDT

gbk