

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN	MIPOMERSEN SODIUM
PRONUNCIATION	mi" poe mer' sen
THERAPEUTIC CLAIM	Treatment of hypercholesterolemia

CHEMICAL NAMES

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

STRUCTURAL FORMULA

(3'→5')(P-thio)(G-C-C-U-C-dA-dG-dT-dC-dT-dG-dC-dT-dT-dC-G-C-A-C-C) Na₁₉

Modified nucleosides

A = 2'-O-(2-methoxyethyl)adenosine

C = 2'-O-(2-methoxyethyl)-5-methylcytidine

G = 2'-O-(2-methoxyethyl)guanosine

U = 2'-O-(2-methoxyethyl)-5-methyluridine

dC = 2'-deoxy-5-methylcytidine

MOLECULAR FORMULA	C ₂₃₀ H ₃₀₅ N ₆₇ Na ₁₉ O ₁₂₂ P ₁₉ S ₁₉
MOLECULAR WEIGHT	7595
CODE	ISIS 301012
TRADEMARK	None
MANUFACTURER	Isis Pharmaceuticals, Inc.
<u>CAS</u> REGISTRY NUMBER	629167-92-6