

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (ki-64)

RUGONERSEN SODIUM

PRONUNCIATION

roo" goe ner' sen soe' dee um

THERAPEUTIC CLAIM

Treatment of Angelmans Syndrome

CHEMICAL NAMES

1. DNA, d(P-thio)((2'-O,4'-C-methylene)m5rU-(2'-O,4'-C-methylene)m5rU-(2'-O,4'-C-methylene)rA-C-(2'-O,4'-C-methylene)rA-C-T-T-A-A-T-T-A-T-A-C-T-(2'-O,4'-C-methylene)m5rU-(2'-O,4'-C-methylene)m5rC-(2'-O,4'-C-methylene)m5rC), sodium salt (1:19) (Source: CAS)
2. all-*P*-ambo-5-methyl-2'-O,4'-C-methylene-*P*-thiouridylyl-(3'→5')- 5-methyl-2'-O,4'-C-methylene-*P*-thiouridylyl-(3'→5')-2'-O,4'-C-methylene-*P*-thioadenylyl-(3'→5')-2'-deoxy-*P*-thiocytidylyl-(3'→5')-2'-O,4'-C-methylene-*P*-thioadenylyl-(3'→5')-2'-deoxy-*P*-thiocytidylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-2'-deoxy-*P*-thioadenylyl-(3'→5')-2'-deoxy-*P*-thioadenylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-2'-deoxy-*P*-thioadenylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-2'-deoxy-*P*-thioadenylyl-(3'→5')-2'-deoxy-*P*-thiocytidylyl-(3'→5')-*P*-thiothymidylyl-(3'→5')-5-methyl-2'-O,4'-C-methylene-*P*-thiouridylyl-(3'→5')-5-methyl-2'-O,4'-C-methylene-*P*-thiocytidylyl-(3'→5')-5-methyl-2'-O,4'-C-methylenecytidine, sodium salt (1:19) (Source : WHO INN list 87)

STRUCTURAL FORMULA

(3'-5') U=U=A=C=A=C=T=T=A=A=T=T=A=T=A=C=T=U=C=C

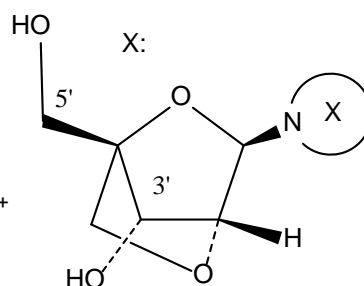
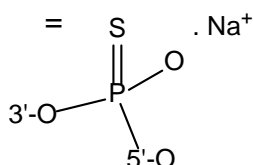
<sup>19</sup>Na

Legend:

C & U: 5-methyl-2'-O, 4'-C-methylenenucleotide

A: 2'-O, 4'-C-methyleneadenylide

A, C & T : 2'-deoxynucleotide



MOLECULAR FORMULA

C<sub>204</sub>H<sub>235</sub>N<sub>63</sub>Na<sub>19</sub>O<sub>109</sub>P<sub>19</sub>S<sub>19</sub>

MOLECULAR WEIGHT

6948

TRADEMARKS

None yet

SPONSOR

Genentech, Inc./Hoffmann-La Roche Inc.

DESIGNATION CODES	RTR33090, RO7248824-001, RG6091
CAS REGISTRY NUMBER	2591588-58-6
UNII	0U89WRQ06U

bww