

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (jk-39)

ZIFCASIRAN SODIUM

PRONUNCIATION

zif" ka sir' an soe' dee um

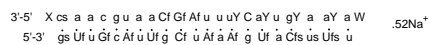
THERAPEUTIC CLAIM

Treatment of advanced renal cell carcinoma

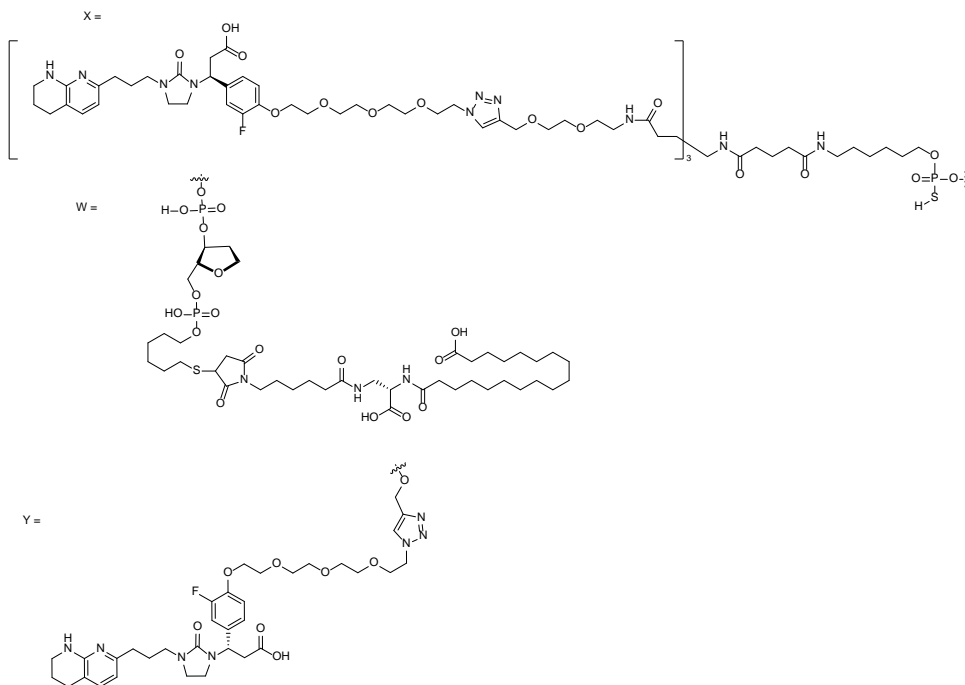
CHEMICAL NAME

1. RNA, (Cm-sp-Am-Am-Cm-Gm-Um-Am-Am-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)G-(2'-deoxy-2'-fluoro)A-Um-Um-[2'-O-[[1-[2-[2-[2-[2-[2-fluoro-4-[(1*R*)-3-hydroxy-3-oxo-1-[2-oxo-3-[3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl]-1-imidazolidinyl]propyl]phenoxy]ethoxy]ethoxy]ethoxy]ethyl]-1*H*-1,2,3-triazol-4-yl]methyl]]U-Cm-[2'-O-[[1-[2-[2-[2-[2-[2-fluoro-4-[(1*R*)-3-hydroxy-3-oxo-1-[2-oxo-3-[3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl]-1-imidazolidinyl]propyl]phenoxy]ethoxy]ethoxy]ethoxy]ethyl]-1*H*-1,2,3-triazol-4-yl]methyl]]A-Um-[2'-O-[[1-[2-[2-[2-[2-[2-fluoro-4-[(1*R*)-3-hydroxy-3-oxo-1-[2-oxo-3-[3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl]-1-imidazolidinyl]propyl]phenoxy]ethoxy]ethoxy]ethoxy]ethyl]-1*H*-1,2,3-triazol-4-yl]methyl]]G-Am-[2'-O-[[1-[2-[2-[2-[2-[2-fluoro-4-[(1*R*)-3-hydroxy-3-oxo-1-[2-oxo-3-[3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl]-1-imidazolidinyl]propyl]phenoxy]ethoxy]ethoxy]ethoxy]ethyl]-1*H*-1,2,3-triazol-4-yl]methyl]]A-Am-(3'→3')-sp-[1'-de(6-amino-9*H*-purin-9-yl)]dA), 5'-[O-[25-[1-[2-[2-[2-[2-[2-fluoro-4-[(1*R*)-3-hydroxy-3-oxo-1-[2-oxo-3-[3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl]-1-imidazolidinyl]propyl]phenoxy]ethoxy]ethoxy]ethoxy]ethyl]-1*H*-1,2,3-triazol-4-yl]-14,14-bis-[3-[[2-[2-[[1-[2-[2-[2-[2-[2-fluoro-4-[(1*R*)-3-hydroxy-3-oxo-1-[2-oxo-3-[3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl]-1-imidazolidinyl]propyl]phenoxy]ethoxy]ethoxy]ethoxy]ethyl]-1*H*-1,2,3-triazol-4-yl]methoxy]ethoxy]ethyl]amino]-3-oxopropyl]-8,12,17-trioxo-21,24-dioxo-7,13,18-triazapentacos-1-yl] hydrogen phosphorothioate] 5'''-[6-[[1-[6-[[[(2*S*)-3-hydroxy-2-[(18-hydroxy-1,18-dioxooctadecyl)amino]-3-oxopropyl]amino]-6-oxohexyl]-2,5-dioxo-3-pyrrolidinyl]thio]hexyl hydrogen phosphate] sodium salt, complex with RNA (Um-sp-(2'-deoxy-2'-fluoro)U-sp-Um-sp-(2'-deoxy-2'-fluoro)C-Am-(2'-deoxy-2'-fluoro)U-Gm-(2'-deoxy-2'-fluoro)A-Am-(2'-deoxy-2'-fluoro)A-Um-(2'-deoxy-2'-fluoro)C-Gm-(2'-deoxy-2'-fluoro)U-Um-(2'-deoxy-2'-fluoro)A-Cm-(2'-deoxy-2'-fluoro)G-Um-(2'-deoxy-2'-fluoro)U-sp-Gm) sodium salt (1:32:1:20) (Source : CAS)

# STRUCTURAL FORMULA



Legend  
 lowercase: 2' O-methyl substitution  
 lowercase followed by Y: 2' O-Y substitution  
 Uppercase followed by f: 2-fluoro substitution  
 lowercase s: phosphorothioate linkage



MOLECULAR FORMULA

C<sub>737</sub>H<sub>929</sub>F<sub>20</sub>N<sub>211</sub>Na<sub>52</sub>O<sub>349</sub>P<sub>43</sub>S<sub>8</sub>

MOLECULAR WEIGHT

21.48 kDa

TRADEMARK

None as yet

SPONSOR

Arrowhead Pharmaceuticals

CODE DESIGNATIONS

None

CAS REGISTRY NUMBER

2437257-12-8

UNII

7FT6J26HG9

bww