

SEQUENCE LISTING

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<120> SUBSTITUTED CARBONUCLEOSIDE DERIVATIVES USEFUL AS ANTICANCER AGENTS

<130> PC72307A

<140> 62/506,076

<141> 2017-05-15

<150> 62/346,226

<151> 2016-06-06

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<151> 2016-12-08

<160> 2

<170> PatentIn version 3.5

<210> 1

<211> 649

<212> PRT

<213> Homo sapiens

<400> 1

Met	Asp	Tyr	Lys	Asp	Asp	Asp	Asp	Lys	Gly	Arg	Ala	Thr	Ala	Ala	Met
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Ala	Val	Gly	Gly	Ala	Gly	Gly	Ser	Arg	Val	Ser	Ser	Gly	Arg	Asp	Leu
		20					25						30		

Asn	Cys	Val	Pro	Glu	Ile	Ala	Asp	Thr	Leu	Gly	Ala	Val	Ala	Lys	Gln
		35					40					45			

Gly Phe Asp Phe Leu Cys Met Pro Val Phe His Pro Arg Phe Lys Arg
50 55 60

Glu Phe Ile Gln Glu Pro Ala Lys Asn Arg Pro Gly Pro Gln Thr Arg
65 70 75 80

Ser Asp Leu Leu Leu Ser Gly Arg Asp Trp Asn Thr Leu Ile Val Gly
85 90 95

Lys Leu Ser Pro Trp Ile Arg Pro Asp Ser Lys Val Glu Lys Ile Arg
100 105 110

Arg Asn Ser Glu Ala Ala Met Leu Gln Glu Leu Asn Phe Gly Ala Tyr
115 120 125

Leu Gly Leu Pro Ala Phe Leu Leu Pro Leu Asn Gln Glu Asp Asn Thr
130 135 140

Asn Leu Ala Arg Val Leu Thr Asn His Ile His Thr Gly His His Ser
145 150 155 160

Ser Met Phe Trp Met Arg Val Pro Leu Val Ala Pro Glu Asp Leu Arg
165 170 175

Asp Asp Ile Ile Glu Asn Ala Pro Thr Thr His Thr Glu Glu Tyr Ser
180 185 190

Gly Glu Glu Lys Thr Trp Met Trp Trp His Asn Phe Arg Thr Leu Cys
195 200 205

Asp Tyr Ser Lys Arg Ile Ala Val Ala Leu Glu Ile Gly Ala Asp Leu
210 215 220

Pro Ser Asn His Val Ile Asp Arg Trp Leu Gly Glu Pro Ile Lys Ala
225 230 235 240

Ala Ile Leu Pro Thr Ser Ile Phe Leu Thr Asn Lys Lys Gly Phe Pro
245 250 255

Val Leu Ser Lys Met His Gln Arg Leu Ile Phe Arg Leu Leu Lys Leu
260 265 270

Glu Val Gln Phe Ile Ile Thr Gly Thr Asn His His Ser Glu Lys Glu
275 280 285

Phe Cys Ser Tyr Leu Gln Tyr Leu Glu Tyr Leu Ser Gln Asn Arg Pro
290 295 300

Pro Pro Asn Ala Tyr Glu Leu Phe Ala Lys Gly Tyr Glu Asp Tyr Leu
305 310 315 320

Gln Ser Pro Leu Gln Pro Leu Met Asp Asn Leu Glu Ser Gln Thr Tyr
325 330 335

Glu Val Phe Glu Lys Asp Pro Ile Lys Tyr Ser Gln Tyr Gln Gln Ala
340 345 350

Ile Tyr Lys Cys Leu Leu Asp Arg Val Pro Glu Glu Glu Lys Asp Thr
355 360 365

Asn Val Gln Val Leu Met Val Leu Gly Ala Gly Arg Gly Pro Leu Val
370 375 380

Asn Ala Ser Leu Arg Ala Ala Lys Gln Ala Asp Arg Arg Ile Lys Leu
385 390 395 400

Tyr Ala Val Glu Lys Asn Pro Asn Ala Val Val Thr Leu Glu Asn Trp
405 410 415

Gln Phe Glu Glu Trp Gly Ser Gln Val Thr Val Val Ser Ser Asp Met
420 425 430

Arg Glu Trp Val Ala Pro Glu Lys Ala Asp Ile Ile Val Ser Glu Leu
435 440 445

Leu Gly Ser Phe Ala Asp Asn Glu Leu Ser Pro Glu Cys Leu Asp Gly
450 455 460

Ala Gln His Phe Leu Lys Asp Asp Gly Val Ser Ile Pro Gly Glu Tyr
465 470 475 480

Thr Ser Phe Leu Ala Pro Ile Ser Ser Ser Lys Leu Tyr Asn Glu Val
485 490 495

Arg Ala Cys Arg Glu Lys Asp Arg Asp Pro Glu Ala Gln Phe Glu Met
500 505 510

Pro Tyr Val Val Arg Leu His Asn Phe His Gln Leu Ser Ala Pro Gln
515 520 525

Pro Cys Phe Thr Phe Ser His Pro Asn Arg Asp Pro Met Ile Asp Asn
530 535 540

Asn Arg Tyr Cys Thr Leu Glu Phe Pro Val Glu Val Asn Thr Val Leu
545 550 555 560

His Gly Phe Ala Gly Tyr Phe Glu Thr Val Leu Tyr Gln Asp Ile Thr
565 570 575

Leu Ser Ile Arg Pro Glu Thr His Ser Pro Gly Met Phe Ser Trp Phe
580 585 590

Pro Ile Leu Phe Pro Ile Lys Gln Pro Ile Thr Val Arg Glu Gly Gln
595 600 605

Thr Ile Cys Val Arg Phe Trp Arg Cys Ser Asn Ser Lys Lys Val Trp
610 615 620

Tyr Glu Trp Ala Val Thr Ala Pro Val Cys Ser Ala Ile His Asn Pro
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Thr Gly Arg Ser Tyr Thr Ile Gly Leu
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<210> 2
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<212> PRT
<213> Homo sapiens

<400> 2

Met Arg Lys Glu Thr Pro Pro Pro Leu Val Pro Pro Ala Ala Arg Glu
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Trp Asn Leu Pro Pro Asn Ala Pro Ala Cys Met Glu Arg Gln Leu Glu
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Ala Ala Arg Tyr Arg Ser Asp Gly Ala Leu Leu Leu Gly Ala Ser Ser
35 40 45

Leu Ser Gly Arg Cys Trp Ala Gly Ser Leu Trp Leu Phe Lys Asp Pro
50 55 60

Cys Ala Ala Pro Asn Glu Gly Phe Cys Ser Ala Gly Val Gln Thr Glu
65 70 75 80

Ala Gly Val Ala Asp Leu Thr Trp Val Gly Glu Arg Gly Ile Leu Val
85 90 95

Ala Ser Asp Ser Gly Ala Val Glu Leu Trp Glu Leu Asp Glu Asn Glu
100 105 110

Thr Leu Ile Val Ser Lys Phe Cys Lys Tyr Glu His Asp Asp Ile Val
115 120 125

Ser Thr Val Ser Val Leu Ser Ser Gly Thr Gln Ala Val Ser Gly Ser
130 135 140

Lys Asp Ile Cys Ile Lys Val Trp Asp Leu Ala Gln Gln Val Val Leu
145 150 155 160

Ser Ser Tyr Arg Ala His Ala Ala Gln Val Thr Cys Val Ala Ala Ser
165 170 175

Pro His Lys Asp Ser Val Phe Leu Ser Cys Ser Glu Asp Asn Arg Ile
180 185 190

Leu Leu Trp Asp Thr Arg Cys Pro Lys Pro Ala Ser Gln Ile Gly Cys
195 200 205

Ser Ala Pro Gly Tyr Leu Pro Thr Ser Leu Ala Trp His Pro Gln Gln
210 215 220

Ser Glu Val Phe Val Phe Gly Asp Glu Asn Gly Thr Val Ser Leu Val
225 230 235 240

Asp Thr Lys Ser Thr Ser Cys Val Leu Ser Ser Ala Val His Ser Gln
245 250 255

Cys Val Thr Gly Leu Val Phe Ser Pro His Ser Val Pro Phe Leu Ala
260 265 270

Ser Leu Ser Glu Asp Cys Ser Leu Ala Val Leu Asp Ser Ser Leu Ser
275 280 285

Glu Leu Phe Arg Ser Gln Ala His Arg Asp Phe Val Arg Asp Ala Thr
290 295 300

Trp Ser Pro Leu Asn His Ser Leu Leu Thr Thr Val Gly Trp Asp His
305 310 315 320

Gln Val Val His His Val Val Pro Thr Glu Pro Leu Pro Ala Pro Gly
325 330 335

Pro Ala Ser Val Thr Glu
340