

SEQUENCE LISTING

<110> CHUGAI SEIYAKU KABUSHIKI KAISHA

<120> Cyclic compounds with selective KRAS inhibitory effects over HRAS and NRAS

<130> C1-A2104P

<150> JP 2021-079012

<151> 2021-05-07

<160> 6

<170> PatentIn version 3.5

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<212> DNA

<213> Artificial sequence

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Thr Glu Tyr Lys Leu Val Val Val Gly Ala Gly Gly Val Gly Lys Ser
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Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr Asp
50 55 60

Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly Glu
65 70 75 80

Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Glu Tyr Ser
85 90 95

Ala Met Arg Asp Gln Tyr Met Arg Thr Gly Glu Gly Phe Leu Cys Val
100 105 110

Phe Ala Ile Asn Asn Thr Lys Ser Phe Glu Asp Ile His His Tyr Arg
115 120 125

Glu Gln Ile Lys Arg Val Lys Asp Ser Glu Asp Val Pro Met Val Leu

130 135 140

Val Gly Asn Lys Cys Asp Leu Pro Ser Arg Thr Val Asp Thr Lys Gln
145 150 155 160

Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile Pro Phe Ile Glu Thr Ser
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Ala Lys Thr Arg Gln Gly Val Asp Asp Ala Phe Tyr Thr Leu Val Arg
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Glu Ile Arg Lys His Lys Glu Lys Met Ser Lys Asp Gly
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Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His
20 25 30

Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln
35 40 45

Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala
50 55 60

Gly Gln Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr Gly
65 70 75 80

Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Thr Lys Ser Phe Glu
 85 90 95

Asp Ile His His Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Glu
 100 105 110

Asp Val Pro Met Val Leu Val Gly Asn Lys Cys Asp Leu Pro Ser Arg
 115 120 125

Thr Val Asp Thr Lys Gln Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile
 130 135 140

Pro Phe Ile Glu Thr Ser Ala Lys Thr Arg Gln Gly Val Asp Asp Ala
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Phe Tyr Thr Leu Val Arg Glu Ile Arg Lys His Lys Glu Lys Met Ser
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Lys Asp Gly

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<212> PRT

<213> Homo sapiens

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 20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Glu Tyr
50 55 60

Ser Ala Met Arg Asp Gln Tyr Met Arg Thr Gly Glu Gly Phe Leu Cys
65 70 75 80

Val Phe Ala Ile Asn Asn Ser Lys Ser Phe Ala Asp Ile Asn Leu Tyr
85 90 95

Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Asp Asp Val Pro Met Val
100 105 110

Leu Val Gly Asn Lys Cys Asp Leu Pro Thr Arg Thr Val Asp Thr Lys
115 120 125

Gln Ala His Glu Leu Ala Lys Ser Tyr Gly Ile Pro Phe Ile Glu Thr
130 135 140

Ser Ala Lys Thr Arg Gln Gly Val Glu Asp Ala Phe Tyr Thr Leu Val
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Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Glu Tyr
50 55 60

Ser Ala Met Arg Asp Gln Tyr Met Arg Thr Gly Glu Gly Phe Leu Cys
65 70 75 80

Val Phe Ala Ile Asn Asn Thr Lys Ser Phe Glu Asp Ile His Gln Tyr
85 90 95

Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Asp Asp Val Pro Met Val
100 105 110

Leu Val Gly Asn Lys Cys Asp Leu Ala Ala Arg Thr Val Glu Ser Arg
115 120 125

Gln Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile Pro Tyr Ile Glu Thr
130 135 140

Ser Ala Lys Thr Arg Gln Gly Val Glu Asp Ala Phe Tyr Thr Leu Val
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Ser Gly Pro Gly Cys Met Ser Cys Lys Cys Val Leu Ser
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<212> PRT

<213> Homo sapiens

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Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Glu Tyr
50 55 60

Ser Ala Met Arg Asp Gln Tyr Met Arg Thr Gly Glu Gly Phe Leu Cys
65 70 75 80

Val Phe Ala Ile Asn Asn Thr Lys Ser Phe Glu Asp Ile His His Tyr
85 90 95

Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Glu Asp Val Pro Met Val
100 105 110

Leu Val Gly Asn Lys Cys Asp Leu Pro Ser Arg Thr Val Asp Thr Lys
115 120 125

Gln Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile Pro Phe Ile Glu Thr
130 135 140

Ser Ala Lys Thr Arg Gln Arg Val Glu Asp Ala Phe Tyr Thr Leu Val
145 150 155 160

Arg Glu Ile Arg Gln Tyr Arg Leu Lys Lys Ile Ser Lys Glu Glu Lys
165 170 175

Thr Pro Gly Cys Val Lys Ile Lys Lys Cys Ile Ile Met
180 185