

**CROSS-REFERENCE ART COLLECTIONS****10 PEPTIDE OR PROTEIN SEQUENCE**

- 20 .Containing modified or unusual amino acid (See note 1 and note 2)
- 21 ..Containing D-amino acid
- 22 ..Containing radioactive atom (See note 3)
- 23 ..Containing halogen (See note 3)
- 24 ..Containing sulfur (See note 4)
- 25 ..Containing heavy metal or salt thereof
- 30 .Linear peptide or protein containing a nonpeptide or abnormal peptide link (See note 5)
- 31 ..Retro-inverted
- 40 .Angiotensin; related peptides
- 50 .Atrial or brain natriuretic peptide; related peptides
- 60 .Calcitonin; related peptides
- 70 .Corticotropin; related peptides
- 80 .Endorphin or Enkephalin; related peptides
- 90 .Erythropoietin; related peptides
- 100 .Factor VIII, AHF; related peptides
- 110 .Gonadotropin; related peptides
- 120 .Growth hormone, growth factor other than T-cell or B-cell growth factor, and growth hormone releasing factor; related peptides
- 130 .Luteinizing hormone-releasing hormone (LH-RH); related peptides
- 140 .Lymphokine; related peptides
- 141 ..Interleukin
- 142 ..Interferon
- 143 ..Lymphotoxin
- 144 ..Tumor necrosis factor
- 145 ..Colony stimulating factor
- 150 .Oxytocin or vasopressin; related peptides
- 160 .Somatostatin; related peptides
- 170 .Vasoactive intestinal peptides; related peptides
- 180 .Thymus derived hormone or factor; related peptides

- 190 .Antibiotic
- 200 .Bacterial peptide or bacterial protein (See note 6)
- 210 .Parasitic peptide or parasitic protein (See note 6)
- 220 .Viral peptide or viral protein (See note 6)
- 221 ..Retrovirus related, or human immunodeficiency virus related, or simian immunodeficiency virus related
- 222 ..Foot and mouth disease related
- 223 ..Hepatitis related
- 224 ..Herpes related
- 230 .Multicellular plant peptide or multicellular plant protein
- 240 .Enzyme or isoenzyme
- 250 .Enzyme inhibitor
- 260 .Containing Cys-Cys disulfide bridge between nonadjacent cysteine residues (See note 7)
- 270 .Cyclic peptide or cyclic protein (See note 8)
- 280 .Bound to a nonpeptide drug, nonpeptide label, nonpeptide carrier, or a nonpeptide resin
- 290 .Polyamino acid or polypeptide with an uninterrupted series of peptide repeating units
- 300 .Signal or leader sequence
- 310 .Linker sequence
- 320 .Modification to prevent enzymatic degradation (See note 9)

**FOREIGN ART COLLECTIONS**FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS****DIGESTS**

DIG 500 **PEPTIDES CONTAINING SACCHARIDE RADICALS AND HAVING A FULLY DEFINED SEQUENCE OF AMINO ACIDS AND WHEREIN THE PEPTIDE SEQUENCE IS NOT PART OF A RING STRUCTURE, E.G., BLEOMYCIN, PHLEOMYCIN, MURAMYLPEPTIDES, ETC., (C07K-9/00D, 9/00D2, 9/00D4, 9/00D9)**

- DIG 510 **PEPTIDES CONTAINING SACCHARIDE RADICALS AND HAVING A FULLY DEFINED SEQUENCE OF AMINO ACIDS WHEREIN THE PEPTIDE SEQUENCE IS PART OF A RING STRUCTURE AND IS DIRECTLY ATTACHED TO A HETERO ATOM OF THE SACCHARIDE ATOM, E.G., ACTAPLANIN, AVOPARCIN, RISTOMYCIN, VANCOMYCIN, ETC., (C07K 9/00F2)**
- DIG 520 **PEPTIDES CONTAINING SACCHARIDE RADICALS AND HAVING A FULLY DEFINED SEQUENCE OF AMINO ACIDS WHEREIN THE PEPTIDE SEQUENCE IS PART OF A RING STRUCTURE AND IS NOT DIRECTLY ATTACHED TO A HETERO ATOM OF THE SACCHARIDE ATOM (C07K-9/00F4)**
- DIG 530 **PROTEINS HAVING A FULLY DEFINED SEQUENCE OF AMINO ACIDS OR DERIVATIVES THEREOF, I.E., MORE THAN 100 AMINO ACIDS (C07K-13/00)**
- DIG 532 **CYCLIC PEPTIDES DERIVED FROM AT LEAST FIVE AMINO ACIDS AND CONTAINING AT LEAST ONE ABNORMAL PEPTIDE LINK (C07K-7/50)**
- DIG 533 .With only normal peptide links in the ring (C07K-7/52)
- DIG 534 ..With all amino acids in L-form (C07K-7/52A)
- DIG 535 ..With at least one amino acid in D-form (C07K-7/52B)
- DIG 536 .With at least one abnormal peptide link in the ring (C07K-7/54)
- DIG 537 ..The cyclisation not occurring through the 2,4-diamino-butanoic acid (C07K-7/56)
- DIG 538 ...Bacitracins; related peptides (C07K-7/58)
- DIG 539 ....With all amino acids in L-form (C07K-7/58A)
- DIG 541 ....With at least one amino acid in D-form (C07K-7/58B)
- DIG 542 ..The cyclisation occurring through the 4-amino group of the 2,4-diamino butanoic acid (C07K-7/60)
- DIG 543 ...Polymyxins; related peptides (C07K-7/62)
- DIG 544 ....With all amino acids in L-form (C07K-7/62A)
- DIG 545 ....With at least one amino acid in D-form (C07K-7/62B)
- DIG 546 **CYCLIC PEPTIDES DERIVED FROM AT LEAST FIVE AMINO ACIDS AND CONTAINING ONLY NORMAL PEPTIDE LINKS (C07K-7/64)**
- DIG 547 .Gramicidins S, C; Tyrocidins A, B, C; related peptides (C07K-7/66)
- DIG 548 ..With all amino acids in L-form (C07K-7/66A)
- DIG 549 ..With at least one amino acid in D-form (C07K-7/66B)
- DIG 550 **PEPTIDES CONTAINING THE SEQUENCE (A-LEU-GLU-ILE-LYS-ORN-ILE-PHE-HIS-ASP-ASP NH<sub>2</sub>), A BEING H OR ILE-CYS, E.G., BACITRACINS A OR F OR RELATED PEPTIDES (C07K-99/00B)**
- DIG 551 .With all amino acids in L-form (C07K-99/00B1)
- DIG 552 .With at least one amino acid in D-form (C07K-99/00B2)
- DIG 553 **PEPTIDES CONTAINING THE C-TERMINAL SEQUENCE (X-CYS-PHE-GLY-PHE-GLY-GLY ARG-A-ASP-ARG-ILE-GLY-ALA-GLN-SER-GLY-LEU-GLY-CYS-Y) WITH X BEING NH, Y BEING -OH, NH, OR PART OF THE SEQUENCE -ASN-SER-PHE-ARG-TYR-ARG-ARG- AND A BEING MET OR ILE, E.G., ATRIOPEPTINE; ATRIAL NATRIURETIC PEPTIDES AND PROTEINS (ANP) (C07K-99/00C)**
- DIG 554 .With all amino acids in L-form (C07K-99/00C1)
- DIG 555 .With at least one amino acid in D-form (C07K-99/00C2)
- DIG 556 **PEPTIDES CONTAINING THE SEQUENCE (ASP-PRO-A-TYR-B-C-VAL-SER-ASN-ALA-ASP-LEU MET-ASP- PHE-LYS-ASN-LEU-LEU-Y), WITH A, B, C BEING AMINO ACIDS, AND Y BEING A PEPTIDE SEQUENCE, E.G., CARDIODILATIN (SEE SUBCLASS 553 FOR PATENTS THAT CONTAIN THE AERIAL NATRIURETIC PEPTIDE SEQUENCE) (C07K-99/00D)**
- DIG 557 .With all amino acids in L-form (C07K-99/00D1)

- DIG 558 .With at least one amino acid in D-form (C07K-99/00D2)
- DIG 559 **PEPTIDES CONTAINING THE SEQUENCE (TYR-ALA-ASP-ALA-ILE-PHE-TYR - ASN-SER TYR-ARG-LYS-VAL -LEU-GLY-GLN-LEU-SER- ALA-ARG-LYS-LEU-LEU- GLN-ASP ILE-MET-A-ARG- GLN-GLN-GLY-GLU-B-ASN-GLN-GLU-C-GLY- -ALA-D-E ARG-LEU-NH) WITH A BEING SER OR ASN, B BEING SER OR ARG, C BEING ARG OR GLN, D BEING ARG OR LYS, AND E BEING ALA, VAL, OR PHE, E.G., SOMATOLIBERIN (GONADOTROPIN RELEASING FACTOR) (C07K-99/00F)**
- DIG 560 **PEPTIDES CONTAINING THE SEQUENCE (TYR-D-ALA-PHE-GLY-TYR -PRO-SER), E.G., DERMORPHIN (C07K-99/00H)**
- DIG 565 **PEPTIDES CONTAINING THE SEQUENCE (CYS-TYR-A-GLN-ASN-CYS-PRO-B -GLY NH2), WITH A BEING ILE OR PHE, B BEING LEU OR ARG OR LYS OR S-S BRIDGE 1-6, E.G., OXYTOCIN, VASOPRESSIN, OR A RELATED PEPTIDE (C07K 99/02)**
- DIG 566 .With all amino acids in L-form (C07K-99/02A)
- DIG 567 .With at least one amino acid in D-form (C07K-99/04)
- DIG 570 **PEPTIDES CONTAINING THE SEQUENCE (SER-TYR-SER-MET-GLU-HIS-PHE - ARG TRP-GLY-LYS-PRO-VAL-GLY - LYS-LYS-ARG-ARG-PRO-VAL-LYS - VAL-TYR-PRO ASP-GLY- A-B-C-D-E-ALA-GLU- ALA-PHE-PRO-LEU-GLU-PHE-OH), A-B-C-D-E BEING GLU-ALA-GLU-ASP-SER- OR ALA-GLU-ASP-GLU-LEU OR ALA-GLU-ASP-GLU-SER, E.G., CORTICOTROPIN (ACTH) OR RELATED PEPTIDES (C07K-99/06)**
- DIG 571 .With all amino acids in L-form (C07K-99/06A)
- DIG 572 .With at least one amino acid in D-form (C07K-99/08)
- DIG 580 **PEPTIDES CONTAINING THE SEQUENCE (CH3CO-SER-TYR-SER-MET-GLU - HIS-PHE ARG-TRP-GLY-LYS- PRO-VAL-NH2), E.G., A-MSH, OR RELATED PEPTIDES (FRAGMENTS WHICH ARE COMMON WITH DIGEST 570 ARE ALSO IN THAT CLASSIFICATION) (C07K-99/10)**
- DIG 581 .With all amino acids in L-form (C07K-99/10A)
- DIG 582 .With at least one amino acid in D-form (C07K-99/12)
- DIG 590 **PEPTIDES CONTAINING THE SEQUENCE (A-ARG-VAL-TYR-VAL- ILE- HIS-PRO-PHE-B), A BEING ASP OR ASN, AND B BEING -OH OR HIS-LEU-OH, E.G., ANGIOTENSIN I, PEPSITENSIN, OR RELATED PEPTIDES (C07K-99/14)**
- DIG 591 .With all amino acids in L-form (C07K-99/14A)
- DIG 592 .With at least one amino acid in D-form (C07K-99/16)
- DIG 600 **PEPTIDES CONTAINING THE SEQUENCE (A-ARG-PRO-PRO-GLY-PHE-SER-PRO-PHE-ARG OH), A BEING H OR LYS, E.G., KALLIDIN, BRADYKININ, ETC. OR RELATED PEPTIDES (C07K-99/18)**
- DIG 601 .With all amino acids in L-form (C07K-99/18A)
- DIG 602 .With at least one amino acid in D-form (C07K-99/20)
- DIG 610 **PEPTIDES CONTAINING THE SEQUENCE (PGL-PRO-SER-LYS-ASP-ALA-PHE - ILE GLY-LEU-MET-NH2), E.G., ELEDOSIN, OR RELATED PEPTIDES (C07K-99/22)**
- DIG 611 .With all amino acids in L-form (C07K-99/22A)
- DIG 612 .With at least one amino acid in D-form (C07K-99/24)
- DIG 620 **PEPTIDES CONTAINING THE SEQUENCE (GLY-ILE-VAL-GLU-GLN-CYS-CYS - A-B-C CYS-SER-LEU-TYR-GLN - LEU-GLU-ASN-TYR-CYS -ASN-PH) AND (PHE-VAL-ASN- GLN-HIS-LEU-CYS-GLY-SER- HIS-LEU-VAL-GLU-ALA-LEU- TYR-LEU-VAL-CYS GLY-GLU- ARG-GLY-PHE -PHE-TYR-TYR-PRO-LYS-D), A-B-C BEING -ALA-SER VAL-, OR -ALA-GLY-VAL-, OR -THR-SER-ILE-, OR -ALA-SER-VAL-, D BEING ALA-OH OR THR-OH, E.G., HUMAN INSULIN OR RELATED PEPTIDES (C07K-99/26)**
- DIG 621 .With all amino acids in L-form (C07K-99/26A)
- DIG 622 .With at least one amino acid in D-form (C07K-99/28)

- DIG 630 **PEPTIDES CONTAINING THE SEQUENCE**  
(PGL-GLY-PRO-TRP-A-GLU-GLU- B-  
GLU-B ALA-TYR- GLY-TRP-MET-  
LEU- ASP-PHE- TYR- NH<sub>2</sub>, A  
BEING MET, LEU OR VAL, B BEING  
GLU OR ALA, E.G., GASTRIN OR  
RELATED PEPTIDES, ETC. (C07K  
99/30)
- DIG 631 .With all amino acids in L-form  
(C07K-99/30A)
- DIG 632 .With at least one amino acid in  
D-form (C07K-99/32)
- DIG 640 **PEPTIDES CONTAINING THE SEQUENCE**  
(HIS-SER-GLN-GLY-THR-PHE-THR -  
SER ASP-TYR-LYS-SER- TYR-LEU-  
ASP-SER-ARG-ARG-ALA -GLN-ASP-  
PHE-VAL-GLN-TRP LEU- MET-ASN-  
THR-OH), E.G., GLUCAGON OR  
RELATED PEPTIDES, ETC. (C07K-  
99/34)
- DIG 641 .With all amino acids in L-form  
(C07K-99/34A)
- DIG 642 .With at least one amino acid in  
D-form (C07K-99/36)
- DIG 650 **PEPTIDES CONTAINING THE SEQUENCE**  
(HIS-SER-ASP-GLY-THR-PHE-THR -  
SER GLU-LEU-SER-ARG-LEU-ARG -  
ASP-SER-ALA-ARG-LEU-GLN-ARG -  
LEU-LEU-GLN GLY-LEU-VAL-NH<sub>2</sub>),  
E.G., SECRETIN OR RELATED  
PEPTIDES, ETC. (FRAGMENTS  
CONTAINING THE UNCHANGED  
SEQUENCE 4-8, I.E., GLY-THR-  
PHE-THR-SER ARE ALSO  
CLASSIFIED IN DIGEST 640)  
(C07K-99/38)
- DIG 651 .With all amino acids in L-form  
(C07K-99/38A)
- DIG 652 .With at least one amino acid in  
D-form (C07K-99/40)
- DIG 660 **PEPTIDES CONTAINING THE SEQUENCE**  
(CYS-SER-ASN-LEU-SER-THR-CYS -  
VAL LEU-SER-ALA-TYR-TRP-ARG -  
ASN-LEU-ASN-ASN-PHE-HIS -ARG-  
PHE-SER-GLY-MET GLY- PHE-GLY-  
PRO-GLU-THR-PRO-OH), E.G., A-  
THYROCALCITONIN, ETC., I.E.,  
PORCINE OR RELATED PEPTIDES  
(C07K-99/42)
- DIG 661 .With all amino acids in L-form  
(C07K-99/42A)
- DIG 662 .With at least one amino acid in  
D-form (C07K-99/44)
- DIG 670 **PEPTIDES CONTAINING THE SEQUENCE**  
(CYS-GLY-ASN-LEU-SER-THR-CYS -  
MET LEU-GLY-THR-TYR- THR-GLU-  
ASP-PHE-ASN-LYS -PHE-HIS-THR-  
PHE-PRO -GLN THR-ALA-ILE-GLY-  
VAL-GLY-ALA-PRO-OH), E.G.,  
CALCITONIN M (HUMAN) OR  
RELATED PEPTIDES (FRAGMENTS  
WHICH ARE COMMON WITH DIGEST  
660 ARE ALSO IN THAT  
CLASSIFICATION) (C07K-99/46)
- DIG 671 .With all amino acids in L-form  
(C07K-99/46A)
- DIG 672 .With at least one amino acid in  
D-form (C07K-99/48)
- DIG 680 **PEPTIDES CONTAINING THE SEQUENCE**  
(HCO-VAL- ILE- GLY-ALA-LEU-  
ALA-VAL VAL- VAL-TRP-LEU-TRP-  
PHE- LEU-TRP-LEU-TRP-  
NHCH<sub>2</sub>CH<sub>2</sub>OH), E.G., GRAMICIDINS  
A OR B OR RELATED PEPTIDES  
(C07K-99/50)
- DIG 681 .With all amino acids in L-form  
(C07K-99/50A)
- DIG 682 .With at least one amino acid in  
D-form (C07K-99/52)
- DIG 690 **PEPTIDES CONTAINING THE SEQUENCE**  
(PGL-HIS-TRP-SER-TYR-GLY-LEU -  
ARG PRO-GLY-NH<sub>2</sub>), E.G., LH-RH,  
LRF, OR RELATED PEPTIDES  
(C07K-99/54)
- DIG 691 .With all amino acids in L-form  
(C07K-99/54A)
- DIG 692 ..1-Pgl, 10-Gly derivatives  
(C07K-99/54A1)
- DIG 693 ..Des-1-Pgl derivatives (C07K-99/  
54A2)
- DIG 694 ..Des-10-Gly derivatives (C07K-  
99/54A3)
- DIG 695 .With at least one amino acid in  
D-form (C07K-99/56)
- DIG 696 ..1-Pgl, 10-Gly derivatives  
(C07K-99/56A1)
- DIG 697 ..Des-1-Pgl derivatives (C07K-99/  
56A2)
- DIG 698 ..Des-10-Gly derivatives (C07K-  
99/56A3)
- DIG 700 **PEPTIDES CONTAINING THE SEQUENCE**  
(ALA-GLY-CYS-LYS-ASN-PHE-PHE-  
TRP LYS-THR-PHE-THR -SER-CYS-  
OH), E.G., SOMATOSTATIN, SRIF,  
OR RELATED PEPTIDES (C07K-99/  
58)
- DIG 701 .All amino acids in L-form (C07K-  
99/58A)

- DIG 702 ..S-S bridge 3,14 being modified (for the reduced form Cys-3 or Cys-14 being modified) (C07K-99/58A1A)
- DIG 703 ...Modification at Cys-3 (C07K-99/58A1B)
- DIG 704 ..Modification at Cys-14 (C07K-99/58A1C)
- DIG 705 ...Modification at both Cys-3 and Cys-14 (C07K-99/58A1D)
- DIG 706 .At least one amino acid in D-form (C07K-99/60)
- DIG 707 ..S-S bridge 3,14 being modified (for the reduced form Cys-3 or Cys-14 being modified) (C07K-99/A1)
- DIG 708 ...Modification at Cys-3 (C07K-99/60A1B)
- DIG 709 ...Modification at Cys-14 (C07K-99/60A1C)
- DIG 710 ...Modifications at both Cys-3 and Cys-14 (C07K-99/60A1D)
- DIG 720 **PEPTIDES CONTAINING THE SEQUENCE (TYR-GLY-GLY-PHE-MET-THR-SER-GLU LYS-SER-GLN-THR-PRO-LEU-VAL-THR-LEU-PHE-LYS-ASN-ALA-ILE-ILE-LYS-ASN ALA-HIS-LYS-LYS-GLY-GLU-OH), E.G., B-ENDORPHIN OR RELATED PEPTIDES (C07K-99/62)**
- DIG 721 .With all amino acids in L-form (C07K-99/62A)
- DIG 722 .With at least one amino acid in D-form (C07K-99/64)
- DIG 730 **PEPTIDES CONTAINING THE SEQUENCE (TYR-GLY-GLY-PHE-MET-THR-SER-GLU LYS-SER-GLN-THR-PRO-LEU-VAL-THR-OH), E.G., LIPOTROPIN OR RELATED PEPTIDES (FRAGMENTS WHICH ARE COMMON WITH DIGEST 720 ARE ALSO IN THAT CLASSIFICATION) (C07K-99/66)**
- DIG 731 .With all amino acids in L-form (C07K-99/66A)
- DIG 732 .With at least one amino acid in D-form (C07K-99/68)
- DIG 740 **PEPTIDES CONTAINING THE SEQUENCE (TRY-GLY-GLY-PHE-X), X BEING AN AMINO ACID, E.G., ENKEPHALINS OR RELATED PEPTIDES (SEQUENCES CONTAINING MORE THAN FIVE AMINO ACIDS ARE CLASSIFIED IN DIGESTS 720 OR 730) (C07K 99/70)**
- DIG 741 .With all amino acids in L-form (C07K-99/70A)
- DIG 742 .With at least one amino acid in D-form (C07K-99/72)
- DIG 750 **PEPTIDES CONTAINING THE SEQUENCE (ARG-LYS-ASP-VAL-TYR-VAL-), E.G., THYMIN I OR II, THYMOPOIETINS, OR RELATED PEPTIDES (C07K-99/74)**
- DIG 751 .With all amino acids in L-form (C07K-99/74A)
- DIG 752 .With at least one amino acid in D-form (C07K-99/76)
- DIG 760 **PEPTIDES CONTAINING THE SEQUENCE (ASP-A-GLY-PRO-TYR-B-MET-GLU-HIS PHE-ARG-TRP-GLY-SER-PRO-PRO-LYS-ASP-OH), A BEING GLU OR SER, B BEING LYS OR ARG, E.G., B-MELANOTROPINS OR RELATED PEPTIDES (C07K-99/78)**
- DIG 761 .With all amino acids in L-form (C07K-99/78A)
- DIG 762 .With at least one amino acid in D-form (C07K-99/80)
- DIG 770 **PEPTIDES CONTAINING THE SEQUENCE (THR-VAL-PRO-SER-(N-METHYL)VAL-) (C07K-99/82)**
- DIG 771 .With all amino acids in L-form (C07K-99/82A)
- DIG 772 .With at least one amino acid in D-form (C07K-99/84)
- DIG 780 **TETRAPEPTIDES (DERIVED FROM ONLY FOUR AMINO ACIDS) (C07K-5/10)**
- DIG 781 .Contains at least one ring formed only through peptide links (C07K 5/12B)
- DIG 782 .With at least one amino acid in D-form (C07K-5/10Z)
- DIG 783 .The first amino acid being heterocyclic (Pro) (C07K-5/10H)
- DIG 784 .The first amino acid contains the same number of amino and carboxylic acid or derivative groups (neutral) (C07K-5/10A)
- DIG 785 ..And aliphatic (C07K-5/10A1)
- DIG 786 ..And carbocyclic ring (Phe) (C07K-5/10A2)
- DIG 787 .The first amino acid contains more amino groups than carboxylic acid or derivative groups (basic) (C07K-5/10B)
- DIG 788 .The first amino acid contains more carboxylic acid or derivative groups than amino groups (acidic) (C07K-5/10C)

- DIG 789 ..Asp-X-Y-Z, Asn-X-Y-Z, or derivatives thereof, X, Y and Z being amino acids (C07K-5/10C1)
- DIG 790 **LINEAR PEPTIDES CONTAINING AT LEAST ONE ABNORMAL PEPTIDE LINK AND DERIVED FROM 5-100 AMINO ACIDS (C07K-7/02)**
- DIG 800 **LINEAR PEPTIDES CONTAINING ONLY NORMAL PEPTIDE LINKS AND DERIVED FROM 5 100 AMINO ACIDS (C07K-7/04)**
- DIG 801 .Contains only 5-11 amino acids (C07K-7/06)
- DIG 802 ..With all amino acids in L-form (C07K-7/06A)
- DIG 803 ..With at least one amino acid in D-form (C07K-06B)
- DIG 810 .Contains only 12-20 amino acids (C07K-7/08)
- DIG 811 ..With all amino acids in L-form (C07K-7/08A)
- DIG 812 ..With at least one amino acid in D-form (C07K-7/08B)
- DIG 820 .Contains 21-100 amino acids (C07K-7/10)
- DIG 821 ..With all amino acids in L-form (C07K-10A)
- DIG 822 ..With at least one amino acid in D-form (C07K-7/10B)