

Title (en)

IMPROVED COMPOUNDS FOR PROTEIN BINDING

Title (de)

VERBESSERTE VERBINDUNGEN ZUR PROTEINBINDUNG

Title (fr)

COMPOSES DE LIAISON PROTEINIQUE AMELIORES

Publication

EP 1150942 A4 20030212 (EN)

Application

EP 00904701 A 20000208

Priority

- AU 0000075 W 20000208
- AU PP856399 A 19990208

Abstract (en)

[origin: WO0047548A1] Novel protein binding compounds of Formula (III): W-X-Y-(Z)n in which Y is a branching moiety, Z represents a polydentate ligand chelating agent that coordinates a metal ion; X is a spacer moiety; n is an integer of at least 2 and W is a group that allows for attachment to another molecules, attachment to surfaces, or insertion into membranes.

IPC 1-7

C07C 229/26; C07F 7/10; C07D 495/04; C07K 7/28; C12M 1/34; B01D 15/08

IPC 8 full level

G01N 33/566 (2006.01); **C07B 61/00** (2006.01); **C07C 217/28** (2006.01); **C07C 237/12** (2006.01); **C07C 237/22** (2006.01);
C07C 271/16 (2006.01); **C07C 271/22** (2006.01); **C07C 323/12** (2006.01); **C07F 7/10** (2006.01); **C07F 9/10** (2006.01); **C07K 7/06** (2006.01);
C07K 14/32 (2006.01); **C12M 1/34** (2006.01); **C12Q 1/00** (2006.01)

CPC (source: EP)

C07C 217/28 (2013.01); **C07C 237/12** (2013.01); **C07C 237/22** (2013.01); **C07C 271/16** (2013.01); **C07C 271/22** (2013.01);
C07C 2603/18 (2017.04)

Citation (search report)

- [X] DE 19518421 A1 19961121 - BASF AG [DE]
- [X] US 3700671 A 19721024 - ALELIO GAETANO F D
- [X] WO 9603646 A1 19960208 - AKZO NOBEL NV [NL], et al
- [X] US 5342604 A 19940830 - WILSON DAVID A [US], et al
- [X] DE 19505960 A1 19960822 - DEUTSCHES KREBSFORSCH [DE]
- [X] US 3158635 A 19641124 - CHARLES KEZERIAN, et al
- [X] EP 0243929 A2 19871104 - HOFFMANN LA ROCHE [CH]
- [X] US 5096946 A 19920317 - RAINER NORMAN B [US]
- [PX] WO 9966780 A2 19991229 - SMITHKLINE BEECHAM PLC [GB], et al
- [X] YASHUNSKII V G ET AL: "SYNTHESIS, ACID-BASE CHARACTERISTICS, AND COMPLEX-FORMING PROPERTIES OF ÄÄ(2-HYDROXYTRIMETHYLENE)DINITRILIOÜTETRAKIS(ETHYLENEDINITRILLO)Ü-O CTAACETIC ACID", JOURNAL OF GENERAL CHEMISTRY USSR, CONSULTANTS BUREAU. NEW YORK, US, vol. 60, no. 2, 1990, pages 309 - 313, XP001109160
- [X] TERCERO-MORENO, J.M. ET AL., J. COORD. CHEM., vol. 35, 1995, pages 73 - 83, XP001040664
- [DX] HOCHULI E ET AL: "NEW METAL CHELATE ADSORBENT SELECTIVE FOR PROTEINS AND PEPTIDES CONTAINING NEIGHBOURING HISTIDINE RESIDUES", JOURNAL OF CHROMATOGRAPHY, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 411, 1987, pages 177 - 184, XP002059738, ISSN: 0021-9673
- [X] MICHAELIS, L. ET AL., J. BIOL. CHEM., vol. 106, 1934, pages 331 - 341, XP001040686
- See references of WO 0047548A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0047548 A1 20000817; AU PP856399 A0 19990304; CA 2341348 A1 20000817; CN 1345301 A 20020417; EP 1150942 A1 20011107;
EP 1150942 A4 20030212; JP 2002536428 A 20021029

DOCDB simple family (application)

AU 0000075 W 20000208; AU PP856399 A 19990208; CA 2341348 A 20000208; CN 00803375 A 20000208; EP 00904701 A 20000208;
JP 2000598469 A 20000208