Title (en)

BLOCKING THE MIGRATION OR METASTASIS OF CANCER CELLS BY AFFECTING ADHESION PROTEINS AND THE USES OF NEW COMPOUNDS THEREOF

Title (de)

BLOCKIERUNG DER MIGRATION ODER METASTASE VON KREBSZELLEN DURCH ANHEFTUNG VON HAFTPROTEINEN SOWIE ANWENDUNGEN DER DARAUS GEWONNENEN NEUEN VERBINDUNGEN

Title (fr)

BLOCAGE DE LA MIGRATION OU DE LA METASTASE DES CELLULES CANCEREUSES PAR LA MODIFICATION DE PROTEINES D'ADHESION ET UTILISATIONS DE NOUVEAUX COMPOSES ASSOCIES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008133766A1] This invention provides methods, processes, compounds and compositions for modulating the gene expression or secretion of adhesion proteins or their receptors to cure disease, wherein the modulating comprises positive and negative regulating; wherein comprises inhibiting cancer growth, wherein the adhesion proteins or receptors comprise fibronectin, integrins family, Myosin, vitronectin, collagen, laminin, Glycosylation cell surface proteins, polyglycans, cadherin, heparin, tenascin, CD 54, CAM, elastin and FAK; wherein the methods, processes, compounds and compositions are also for anti-angiogenesis; wherein the cancers comprise breast cancer, leukocyte cancer, liver cancer, ovarian cancer, bladder cancer, prostate cancer, skin cancer, bone cancer, brain cancer, leukemia cancer, lung cancer, colon cancer, CNS cancer, melanoma cancer, renal cancer or cervix cancer.

IPC 8 full level

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Citation (search report)

- [XY] WO 2005037200 A2 20050428 - PACIFIC ARROW LTD [CN], et al
- [XY] WO 2005063273 A1 20050714 - PACIFIC ARROW LTD [CN], et al
- [XY] WO 2006029221 A2 20060316 - PACIFIC ARROW LTD [CN], et al
- [XY] WO 2006116656 A2 20061102 - PACIFIC ARROW LTD [CN], et al
- [E] WO 2008028060 A2 20080306 - PACIFIC ARROW LTD [CN], et al
- [XY] VOUTQUENNE L ET AL: "Haemolytic acylated triterpenoid saponins from Harpullia austro-caledonica", PHYTOCHEMISTRY, PERGAMON PRESS, GB, vol. 66, no. 7, 1 April 2005 (2005-04-01), pages 825 - 835, XP004846755, ISSN: 0031-9422, DOI: 10.1016/J.PHYTOCHEM.2005.02.009
- [XY] KONOSHIMA T ET AL: "ANTITUMOR AGENTS 82. CYTOTOXIC SAPOGENOLS FROM AESCULUS-HIPPOCASTANUM", JOURNAL OF NATURAL PRODUCTS, AMERICAN CHEMICAL SOCIETY, US, vol. 49, no. 4, 1 July 1986 (1986-07-01), pages 650 - 656, XP002510554, ISSN: 0163-3864, DOI: 10.1021/NP50046A015
- [XI] DATABASE EMBASE [online] ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; August 2003 (2003-08-01), HUANG W ET AL: "Study on anti-invasive effect and apoptosis induction of pentacyclic triterpenoid in human lung cancer cells", XP002609399, Database accession no. EMB-2003347021 & CHINESE JOURNAL OF LUNG CANCER 200308 CN, vol. 6, no. 4, August 2003 (2003-08-01), pages 254 - 257, ISSN: 1009-3419
- [XI] AHN KYUNG-SEOP ET AL: "Effects of oleanane-type triterpenoids from fabaceous plants on the expression of ICAM-1", BIOLOGICAL AND PHARMACEUTICAL BULLETIN, vol. 25, no. 8, August 2002 (2002-08-01), pages 1105 - 1107, XP002609400, ISSN: 0918-6158
- [Y] DATABASE BIOSIS [online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; November 2000 (2000-11-01), TEZUKA YASUHIRO ET AL: "Constituents of the Vietnamese medicinal plant Orthosiphon stamineus", XP002609401, Database accession no. PREV200100067220 & CHEMICAL AND PHARMACEUTICAL BULLETIN (TOKYO), vol. 48, no. 11, November 2000 (2000-11-01), pages 1711 - 1719, ISSN: 0009-2363
- [XY] DATABASE BIOSIS [online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 2004, OVESNA Z ET AL: "Pentacyclic triterpenoic acids: new chemoprotective compounds", XP002609502, Database accession no. PREV200500050812 & NEOPLASMA (BRATISLAVA), vol. 51, no. 5, 2004, pages 327 - 333, ISSN: 0028-2685
- See references of WO 2008133766A1

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