

Title (en)

NOVEL REDOX CLAMPING AGENTS AND USES THEREOF

Title (de)

NEUARTIGE KOMPLEXIERENDE REDOXAGENZIEN SOWIE DEREN VERWENDUNG

Title (fr)

NOUVEAUX AGENTS DE FIXATION D'OXYDOREDUCTION ET LEURS UTILISATIONS

Publication

**EP 1159004 A4 20040421 (EN)**

Application

**EP 00913470 A 20000215**

Priority

- US 0003878 W 20000215
- US 12012899 P 19990216

Abstract (en)

[origin: WO0048632A1] Redox clamping agents which maintain cells in a selected redox state are provided. Also provided are methods of using the redox clamping agents to sensitize cells to chemotherapeutic agents such as antineoplastics, to inhibit hyperproliferation of cells and to stabilize the redox state of cells with abnormal fluctuations in their redox state.

IPC 1-7

**A61K 39/395**

IPC 8 full level

**C12N 5/07** (2010.01); **A61K 31/00** (2006.01); **A61K 31/185** (2006.01); **A61K 31/19** (2006.01); **A61K 31/194** (2006.01); **A61K 31/22** (2006.01); **A61K 31/375** (2006.01); **A61K 45/00** (2006.01); **A61K 45/06** (2006.01); **A61P 3/00** (2006.01); **A61P 35/00** (2006.01); **C12N 5/09** (2010.01)

CPC (source: EP)

**A61K 31/00** (2013.01); **A61K 31/185** (2013.01); **A61K 31/19** (2013.01); **A61K 31/194** (2013.01); **A61K 31/22** (2013.01); **A61K 31/375** (2013.01); **A61K 45/06** (2013.01); **A61P 3/00** (2017.12); **A61P 35/00** (2017.12)

C-Set (source: EP)

1. **A61K 31/375 + A61K 31/19**
2. **A61K 31/22 + A61K 31/19**
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5. **A61K 31/22 + A61K 31/185 + A61K 31/185**
6. **A61K 31/22 + A61K 31/185**
7. **A61K 31/19 + A61K 2300/00**
8. **A61K 31/22 + A61K 2300/00**
9. **A61K 31/375 + A61K 2300/00**

Citation (search report)

- [X] WO 9425626 A1 19941110 - PACIFIC NORTHWEST RESEARCH FOU [US], et al
- [X] WO 9611004 A1 19960418 - DEUTSCHES KREBSFORSCH [DE], et al
- [A] US 5019596 A 19910528 - REINER ALBERTO [IT], et al
- [X] CARMICHAEL J AND ALL.: "A phase II trial of ifosfamide/mesna with doxorubicin for malignant mesothelioma", EUROPEAN JOURNAL OF CANCER AND CLINICAL ONCOLOGY, vol. 25, no. 5, 1989, pages 911 - 912, XP008027688
- [X] KLIEN H O AND ALL.: "Experimental and clinical investigations on the importance of sodium-2-mercapto-ethan-sulfonic acid (MAS) for the cytostatic treatment with oxazaphosphorines", NAUNYN-SCHMEIDEBERG'S ARCHIVES OF PHARMACOLOGY, vol. 313, no. supp, 1980, pages r64, XP008027690
- [X] KAWAGUCHI AND ALL.: "Enhanced antitumor activity of cisplatin by combination with dimercapto compounds in a mouse model", JAPANESE JOURNAL OF PHARMACOLOGY, vol. 49, no. supp, 1989, pages 72p, XP008027903
- See references of WO 0048632A1

Designated contracting state (EPC)

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