Title (en)

RADIOISOTOPE CONCENTRATOR METHODS AND COMPOSITIONS

Title (de)

KONZENTRATOR DER RADIOISOTOPE, VERFAHREN UND ZUSAMMENSETZUNGEN

Title (fr)

METHODES ET COMPOSITIONS DE CONCENTRATION DE RADIO-ISOTOPES

Publication

EP 0973902 A1 20000126 (EN)

Application

EP 98920832 A 19980409

Priority

- US 9807130 W 19980409
- US 83570797 A 19970410

Abstract (en)

[origin: WO9845443A1] The present invention pertains to combination nuclear medicine involving radiopharmaceuticals for diagnostic imaging and for therapy of tumors. More specifically the invention includes pharmaceutical compositions and methods of treatment, diagnosis, and radioimaging by genetic engineering designed to accumulate radioisotopes in cells. The combination of genetic engineering to confer radioisotope accumulation by cells with introduction of radioisotopes has many uses including radioimaging in vitro or in vivo to locate or identify gene expression, radiation therapy for killing neoplastic and non-neoplastic cells, and diagnostic applications. Genetic constructs, vectors, transformed cells and methods are disclosed.

IPC 1-7

C12N 15/12; A61K 48/00; A61K 51/04; A61K 51/12; C12N 5/10; C12N 15/55; C12N 15/86

IPC 8 full level

C12N 15/09 (2006.01); **A61K 31/711** (2006.01); **A61K 35/76** (2006.01); **A61K 38/17** (2006.01); **A61K 38/46** (2006.01); **A61K 48/00** (2006.01); **A61K 51/00** (2006.01); **A61K 51/12** (2006.01); **A61P 35/00** (2006.01); **C07K 14/705** (2006.01); **C12N 5/10** (2006.01); **C12N 9/16** (2006.01); **C12N 15/12** (2006.01)

CPC (source: EP)

A61K 51/1203 (2013.01); **A61P 35/00** (2018.01); **C07K 14/705** (2013.01); **C12N 9/16** (2013.01); A61K 38/00 (2013.01); A61K 48/00 (2013.01); C12N 2799/027 (2013.01); C12N 2799/028 (2013.01)

Citation (search report)

See references of WO 9845443A1

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 9845443 A1 19981015; AU 7358098 A 19981030; CA 2286860 A1 19981015; EP 0973902 A1 20000126; JP 2001523955 A 20011127

DOCDB simple family (application)

US 9807130 W 19980409; AU 7358098 A 19980409; CA 2286860 A 19980409; EP 98920832 A 19980409; JP 54312898 A 19980409