

Title (en)

RNA INTERFERENCE MEDIATED INHIBITION OF TGF-BETA AND TGF-BETA RECEPTOR GENE EXPRESSION USING SHORT INTERFERING NUCLEIC ACID (SINA)

Title (de)

RNA-INTERFERENZ-VERMITTELTE HEMMUNG VON TGF-BETA UND TGF-BETA-REZEPTOR-GENEXPRESSION MIT KURZINTERFERENZ-NUKLEINSÄURE (SINA)

Title (fr)

INHIBITION INDUITE PAR L'INTERFERENCE D'ARN DE L'EXPRESSION GENIQUE DU RECEPTEUR DU TGF-BETA ET DU TGF-BETA A L'AIDE D'UN PETIT ACIDE NUCLEIQUE INTERFERANT (SINA)

Publication

EP 1499631 A2 20050126 (EN)

Application

EP 03716430 A 20030211

Priority

- US 0307273 W 20030211
- US 35858002 P 20020220
- US 36312402 P 20020311
- US 38678202 P 20020606
- US 40678402 P 20020829
- US 40837802 P 20020905
- US 40929302 P 20020909
- US 42555902 P 20021112
- US 44012903 P 20030115

Abstract (en)

[origin: WO03070197A2] The present invention concerns methods and reagents useful in modulating transforming growth factor beta (TGF-beta) and transforming growth factor beta receptor (TGF-betaR) gene expression in a variety of applications, including use in therapeutic, diagnostic, target validation, and genomic discovery applications. Specifically, the invention relates to small nucleic acid molecules, such as short interfering nucleic acid (siNA), short interfering RNA (siRNA), double-stranded RNA (dsRNA), micro-RNA (miRNA), and short hairpin RNA (shRNA) molecules capable of mediating RNA interference (RNAi) against transforming growth factor beta (TGF-beta) and transforming growth factor beta receptor (TGF-betaR) gene expression and/or activity. The siNA molecules are useful in the treatment and diagnosis of conditions that respond to the modulation of TGF-beta and/or TGF-betaR expression or activity.

IPC 1-7

C07H 21/04; **A61K 48/00**; **C12N 15/85**; **C12N 15/86**

IPC 8 full level

C12N 15/09 (2006.01); **A61P 3/10** (2006.01); **A61P 9/00** (2006.01); **A61P 13/12** (2006.01); **A61P 15/00** (2006.01); **A61P 17/00** (2006.01); **A61P 19/02** (2006.01); **A61P 25/28** (2006.01); **A61P 27/00** (2006.01); **A61P 31/14** (2006.01); **A61P 35/00** (2006.01); **C12N 1/15** (2006.01); **C12N 5/02** (2006.01); **C12N 5/22** (2006.01); **C12N 15/113** (2010.01); **C12N 15/12** (2006.01); **C12N 15/51** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

A61P 3/10 (2017.12); **A61P 9/00** (2017.12); **A61P 13/12** (2017.12); **A61P 15/00** (2017.12); **A61P 17/00** (2017.12); **A61P 19/02** (2017.12); **A61P 25/28** (2017.12); **A61P 27/00** (2017.12); **A61P 31/14** (2017.12); **A61P 35/00** (2017.12); **C12N 15/1136** (2013.01); **C12N 15/1138** (2013.01); **C12N 2310/111** (2013.01); **C12N 2310/14** (2013.01); **C12N 2310/315** (2013.01); **C12N 2310/317** (2013.01); **C12N 2310/318** (2013.01); **C12N 2310/321** (2013.01); **C12N 2310/322** (2013.01); **C12N 2310/332** (2013.01); **C12N 2310/346** (2013.01); **C12N 2310/53** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

WO 03070197 A2 20030828; **WO 03070197 A3 20041125**; AU 2003220136 A1 20030909; AU 2003220136 A8 20030909; EP 1499631 A2 20050126; EP 1499631 A4 20060125; JP 2005517423 A 20050616

DOCDB simple family (application)

US 0307273 W 20030211; AU 2003220136 A 20030211; EP 03716430 A 20030211; JP 2003569157 A 20030211