

Title (en)

A FLUORESCENCE-BASED SCREENING METHOD FOR IDENTIFYING LIGANDS

Title (de)

AUF FLUORESZENZ BASIERENDES ERKENNUNGSVERFAHREN FÜR LIGANDEN

Title (fr)

PROCEDE DE CRIBLAGE PAR FLUORESCENCE DESTINE A L'IDENTIFICATION DE LIGANDS

Publication

EP 0865502 A1 19980923 (EN)

Application

EP 96944304 A 19961206

Priority

- US 9619698 W 19961206
- US 834695 P 19951207

Abstract (en)

[origin: WO9720952A1] A novel method for screening chemical compounds for potential pharmaceutical effectiveness is provided. The disclosed method identifies possible therapeutic test ligands by placing them in the presence of target proteins and determining the ability of test ligands to prevent the partial unfolding of the target protein by measuring the fluorescence emission of a conformation-sensitive probe. This differs significantly from known methods of novel pharmaceutical testing in that the biochemical function of the target protein need not be known and the existence of any known ligands of the target protein is unnecessary.

IPC 1-7

C12Q 1/68; **G01N 33/53**; **G01N 33/543**

IPC 8 full level

G01N 33/533 (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6811** (2018.01); **C12Q 1/6816** (2018.01); **G01N 33/566** (2006.01); **G01N 33/58** (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP)

C12Q 1/6811 (2013.01); **C12Q 1/6816** (2013.01); **G01N 33/582** (2013.01); **G01N 33/68** (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9720952 A1 19970612; CA 2236339 A1 19970612; DE 865502 T1 19990819; EP 0865502 A1 19980923; EP 0865502 A4 20000816; JP 2000502440 A 20000229

DOCDB simple family (application)

US 9619698 W 19961206; CA 2236339 A 19961206; DE 96944304 T 19961206; EP 96944304 A 19961206; JP 52149297 A 19961206