

Title (en)

STRUCTURAL BASIS FOR PTERIN FUNCTION IN NITRIC OXIDE SYNTHASE

Title (de)

STRUKTURELLE BASIS DER PTERINFUNKTION IN DER STICKSTOFFOXID SYNTHETASE

Title (fr)

BASE STRUCTURELLE DE LA FONCTION PTERINE DANS L'OXYDE NITRIQUE SYNTHASE

Publication

**EP 1141320 A1 20011010 (EN)**

Application

**EP 99967546 A 19991222**

Priority

- US 9930707 W 19991222
- US 11320498 P 19981222

Abstract (en)

[origin: WO0037653A1] This invention describes methods and elucidates the three dimensional structure of nitric oxide synthase and its variants. Also described are methods of structural analysis to determine the binding of pterin to endothelial nitric oxide synthase and methods for screening and identifying small molecule modulators of endothelial nitric oxide synthase proteins and their variants. The invention also describes methods for identifying drugs that modulate nitric oxide synthase and its variants and are effective against diseased states in which NO signaling is defective or insufficient.

IPC 1-7

**C12N 15/53**; **C12N 9/02**; **C12Q 1/26**

IPC 8 full level

**C12N 9/02** (2006.01); **C12N 15/53** (2006.01)

CPC (source: EP)

**C12N 9/0071** (2013.01); **C12N 9/0075** (2013.01)

Citation (search report)

See references of WO 0037653A1

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 0037653 A1 20000629**; AU 2380800 A 20000712; CA 2361196 A1 20000629; EP 1141320 A1 20011010

DOCDB simple family (application)

**US 9930707 W 19991222**; AU 2380800 A 19991222; CA 2361196 A 19991222; EP 99967546 A 19991222