Title (en)

MYCOBACTERIAL N-ACETYLTRANSFERASES

Title (de)

N-ACETYLTRANSFERASE AUS MYCOBACTERIUM

Title (fr)

N-ACETYLTRANSFERASES MYCOBACTERIENNES

Publication

EP 1082441 A1 20010314 (EN)

Application

EP 99925163 A 19990527

Priority

- GB 9901692 W 19990527
- GB 9811407 A 19980527

Abstract (en)

[origin: WO9961625A1] Described are arylamine N-acetyltransferase proteins from Mycobacterium tuberculosis and an arylamine N-acetyltransferase gene and protein from Mycobacterium smegmatis together with antibodies raised against related gene products and proteins, and methods of detecting mycobacteria using such antibodies and mycobacterial strains expressing or lacking such proteins. Also described are methods of screeening for compounds which are ligands of arylamine N-acetyltransferase proteins from mycobacteria, for example substrates and inhibitors. Such ligands, examples of which are given, may be used in medicaments for treatment of mycobacterial infections or in anti-mycobacterial formulations and may be designed by use of the three-dimensional structures of the proteins of the invention. Methods of identifying nucleic acid sequences which relate to putative enzymes useful for the synthesis of, or as targets for, anti-mycobacterial drugs are also described.

IPC 1-7

C12N 15/54; A61K 35/00; C07K 16/40; C12N 9/10; C12Q 1/48; C12Q 1/68; G01N 33/53; G01N 33/68

IPC 8 full level

G01N 33/50 (2006.01); **A61K 35/00** (2006.01); **C07K 16/40** (2006.01); **C12N 1/21** (2006.01); **C12N 9/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/54** (2006.01); **C12Q 1/48** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/68** (2006.01); C12R 1/32 (2006.01)

CPC (source: EP)

C12N 9/1029 (2013.01)

Citation (search report)

See references of WO 9961625A1

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 9961625 A1 19991202; EP 1082441 A1 20010314; GB 9811407 D0 19980722; JP 2002516109 A 20020604

DOCDB simple family (application)

GB 9901692 W 19990527; EP 99925163 A 19990527; GB 9811407 A 19980527; JP 2000551009 A 19990527