

Title (en)
MYCOBACTERIAL N-ACETYLTRANSFERASES

Title (de)
N-ACETYLTRANSFERASE AUS MYCOBACTERIUM

Title (fr)
N-ACETYLTRANSFERASES MYCOBACTERIENNES

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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 screening 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.

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