

## Title (en)

NOVEL FABH ENZYME, COMPOSITIONS CAPABLE OF BINDING TO SAID ENZYME AND METHODS OF USE THEREOF

## Title (de)

NEUES FABH-ENZYM, ZUSAMMENSETZUNGEN, DIE DIESES ENZYM BINDEN KÖNNEN, UND METHODEN SEINER VERWENDUNG

## Title (fr)

NOUVEL ENZYME FABH, COMPOSITIONS CAPABLES DE SE LIER A CET ENZYME ET METHODES D'UTILISATION ASSOCIEES

## Publication

**EP 1183265 A4 20040714 (EN)**

## Application

**EP 00939638 A 20000607**

## Priority

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- US 13812499 P 19990607

## Abstract (en)

[origin: WO0075169A1] A novel *E. coli* FabH crystalline structure is identified. Also disclosed are methods of identifying inhibitors of these enzymes and/or active sites, and inhibitors identified by these methods.

## IPC 1-7

**C07K 14/245**; **C12N 9/10**; **G01N 33/50**

## IPC 8 full level

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## CPC (source: EP US)

**C12N 9/1029** (2013.01 - EP); **G16B 15/30** (2019.01 - EP US); **G16B 15/00** (2019.01 - EP); **Y02A 90/10** (2017.12 - EP)

## Citation (search report)

- [PX] QIU X ET AL: "CRYSTAL STRUCTURE OF BETA-KETOACYL-ACYL CARRIER PROTEIN SYNTHASE III A KEY CONDENSING ENZYME IN BACTERIAL FATTY ACID BIOSYNTHESIS", JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 274, no. 51, 17 December 1999 (1999-12-17), pages 36465 - 36471, XP002941899, ISSN: 0021-9258
- [PX] JANSON CHERYL A ET AL: "Crystallization of Escherichia coli beta-ketoacyl-ACP synthase III and the use of a dry flash-cooling technique for data collection", ACTA CRYSTALLOGRAPHICA SECTION D BIOLOGICAL CRYSTALLOGRAPHY, vol. 56, no. 6, June 2000 (2000-06-01), pages 747 - 748, XP009031050, ISSN: 0907-4449
- [PX] DAVIES CHRISTOPHER ET AL: "The 1.8 Å crystal structure and active-site architecture of beta-ketoacyl-acyl carrier protein synthase III (FabH) from Escherichia coli", STRUCTURE (LONDON), vol. 8, no. 2, February 2000 (2000-02-01), pages 185 - 195, XP002280548, ISSN: 0969-2126
- [PX] KHANDEKAR SANJAY S ET AL: "Expression, purification, and crystallization of the Escherichia coli selenomethionyl beta-ketoacyl-acyl carrier protein synthase III", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 270, no. 1, 2 April 2000 (2000-04-02), pages 100 - 107, XP002280549, ISSN: 0006-291X
- See references of WO 0075169A1

## Designated contracting state (EPC)

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

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