

Title (en)

POTASSIUM CHANNEL AGONISTS

Title (de)

KALIUMKANALAGONISTEN

Title (fr)

AGONISTES DU CANAL POTASSIUM

Publication

**EP 1077705 A4 20020417 (EN)**

Application

**EP 99921866 A 19990511**

Priority

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Abstract (en)

[origin: WO9959594A1] This application discloses a method of treating cardiac ventricular arrhythmias and repolarization abnormalities associated with long QT syndrome and/or congestive heart failure comprising the administration of an agonist of the slowly activating cardiac delayed rectifier potassium current (IKs).

IPC 1-7

**A61K 31/55; A61K 31/453; A61P 9/00; A61P 9/04; A61P 9/06**

IPC 8 full level

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**A61P 9/00** (2006.01); **A61P 9/04** (2006.01); **A61P 9/06** (2006.01); **A61P 43/00** (2006.01); **C07D 403/06** (2006.01); **C07D 491/107** (2006.01)

CPC (source: EP)

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**A61P 43/00** (2017.12)

Citation (search report)

- [X] WO 9514470 A1 19950601 - MERCK & CO INC [US], et al
- [XD] US 5633247 A 19970527 - BALDWIN JOHN J [US], et al
- [X] WILLIAM WM MUIR ET AL: "Antiarrhythmic effects of diazepam during coronary artery occlusion in dogs", AM. J. VET. RES., vol. 36, no. 8, 1975, pages 1203 - 1206, XP001027631
- [XP] SALATA J. ET AL: "A novel benzodiazepine that activates cardiac slow delayed rectifier K+ currents", MOLECULAR PHARMACOLOGY, vol. 54, no. 1, July 1998 (1998-07-01), pages 220 - 229, XP001027554
- [XP] SANGUINETTI M C, JURKIEWICZ N., SALATA J.: "Novel benzodiazepines that modulate slow delayed rectifier K channels", NAUNYN-SCHMIEDERBERGS ARCHIVES OF PHARMACOLOGY, vol. 358, no. 1(1), September 1998 (1998-09-01), pages sf45, XP001026937
- See references of WO 9959594A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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