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(54) **A THROMBIN-LIKE ENZYME OF AGKISTRODON ACUTUS**
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(73) Proprietor: **Konruns Pharmaceutical Co., Ltd.**
Beijing 100085 (CN)

(72) Inventors:
• **SUN, Di**
Beijing 100085 (CN)
• **WANG, Xijuan**
Beijing 100085 (CN)

(74) Representative: **Nordic Patent Service A/S**
Højbro Plads 10
1200 Copenhagen K (DK)

(56) References cited:
WO-A1-2005/017139 CN-A- 1 332 241

- **LIU SI-JIU ET AL: "Purification, characterization, crystallization and preliminary X-ray diffraction of acuthrombin-B, a thrombin-like enzyme from Agkistrodon acutus venom", ACTA CRYSTALLOGRAPHICA SECTION D: BIOLOGICAL CRYSTALLOGRAPHY, MUNKSGAARD PUBLISHERS LTD. COPENHAGEN, DK, vol. 55, no. 6, 1 June 1999 (1999-06-01), pages 1193-1197, XP009163791, ISSN: 0907-4449, DOI: 10.1107/S0907444998014024**
- **SUGIHARA H ET AL: "ENZYMOCHEMICAL STUDIES ON SNAKE VENOMS PURIFICATION AND PROPERTIES OF ANTI COAGULANT FACTORS OF ANTI COAGULANT 1 AND 2 IN THE VENOM OF AGKISTRODON-ACUTUS", YAKUGAKU ZASSHI - JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, JAPAN SCIENCE AND TECHNOLOGY INFORMATION AGGREGATOR, ELECTRONIC, JP, vol. 100, no. 8, 1 January 1980 (1980-01-01), pages 811-818, XP009163790, ISSN: 0031-6903**

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- DATABASE WPI Week 200676 Thomson Scientific, London, GB; AN 2006-729424 XP002685573, & CN 1 766 100 A (KANGCHEN PHARM DEV CO LTD) 3 May 2006 (2006-05-03)
- TANI A. ET AL: 'Characterization, primary structure and molecular evolution of anticoagulant protein from Agkistrodon actus venom' TOXICON vol. 40, 31 December 2002, pages 803 - 813, XP008145772
- CHENG X. ET AL: 'Purification, characterization, and cDNA cloning of a new fibrinogenolytic venom protein, Agkisacutacin, from Agkistrodon acutus venom' BIOCHEM. BIOPHYS. RES. COMMUN. vol. 265, 31 December 1999, pages 530 - 535, XP008145795
- ZHANG YANYU ET AL: 'Cloning and Bioinformatics Analysis of a Thrombin-like Enzyme Gene from Agkistrodon Acutus' JOURNAL OF EXPERIMENTAL HEMATOLOGY vol. 13, no. 4, 31 December 2005, pages 542 - 547, XP008145774
- LIANQ NINGSHENG ET AL: 'Molecular Cloning of the New cDNA for the Thrombin-Like Enzyme form the Venom of Agkistrodon Acutus' JOURNAL OF GUANGXI MEDICAL UNIVERSITY vol. 19, no. 1, 28 February 2002, pages 27 - 30, XP008145793