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(21) International Application Number: PCT/US95/14776 (22) International Filing Date: 9 November 1995 (09.11.95) (30) Priority Data: 08/337,602 10 November 1994 (10.11.94) US (71) Applicant: UNIVERSITY OF WASHINGTON [US/US]; Suite 200, 1107 N.E. 45th Street, Seattle, WA 98105 (US). (72) Inventors: CATTERALL, William, A.; 4556 East Laurel Drive N.E., Seattle, WA 98105 (US). SHENG, Zu-Hang; 3803 N.E. 94th Street, Seattle, WA 98115 (US). (74) Agents: SHARKEY, Richard, G. et al.; Seed and Berry, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).		(81) Designated States: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW, SD, SZ, UG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 22 August 1996 (22.08.96)
(54) Title: METHODS AND COMPOSITIONS FOR SCREENING FOR PRESYNAPTIC CALCIUM CHANNEL BLOCKERS (57) Abstract Methods and compositions related to the identification of compounds that block neurotransmitter release are disclosed. Using the methods of the present invention, candidate compounds may be screened for the ability to bind to presynaptic calcium channels such that the docking of presynaptic vesicles to presynaptic calcium channels will be inhibited. The present invention also discloses peptides useful in the screening methods.		

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INTERNATIONAL SEARCH REPORT

Internat Application No
PCT/US 95/14776A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C07K14/705 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C07K G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	J.BIOL.CHEM, vol. 9, no. 4, March 1994, USA, pages 6306-12, XP002006136 C.LÉVÊQUE ET AL.: "Purification of the N-type Calcium Channel Associated with Syntaxin and Synaptotagmin" ---	
A	WO,A,93 13128 (NEUREX CORP) 8 July 1993 ---	
A	WO,A,93 04083 (SALK INST BIOTECH IND) 4 March 1993 -----	



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Patent family members are listed in annex.

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Date of the actual completion of the international search

20 June 1996

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