

Information Sharing Platform for Patents on Pandemic Prevention Against COVID-19

China Patent Information Center of CNIPA

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Information Sharing Platform for Patents on Pandemic Prevention Against COVID-19



Information sharing platform for patents on pandemic prevention against COVID-19
新型冠状病毒感染肺炎防疫专利信息共享平台

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Information sharing platform for patents on pandemic prevention against COVID-19
新型冠状病毒感染肺炎防疫专利信息共享平台

简体中文 | English

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Introduction

Under the guidance of CNIPA (National Intellectual Property Administration, PRC), China Patent Information Center (CNPAT) cooperates with Patent Examination Cooperation (Beijing) Center of the Patent Office, CNIPA to jointly develop the information sharing platform for patents on epidemic prevention against COVID-19, which is open to the public for free.

The platform provides precise and professional patent information; nearly ten thousand pieces of Chinese and foreign patent technical information related to the epidemic prevention against COVID-19 are selected by the database, are sorted and divided into 9 first-level branches, 35 second-level branches and 78 third-level branches according to the technical relevancy and importance degree, and cover the technical fields of treatment medicines, prophylactic medicines, detection and diagnosis reagents, medical instruments, protective products, medicine disinfection, medical waste treatment, wastewater treatment, artificial intelligence, big data application and the like. The platform offers an analysis report section specifically for intensively recording patent data analysis reports related to epidemic prevention, so that the latest achievements in patent research can be quickly consulted and acquired. The platform is rigorous in system construction, is built based on the core retrieval engine of CPRS, integrates functions of intelligent retrieval, online translation, communication feedback and the like, is free of registration and login, is not limited by regions, and is convenient for inquiry, browse, downloading and use.

People from medical institutions, scientific research institutions as well as the general public are welcomed to actively use and popularize the platform. We will keep updating the patent data resources and improving functions of the platform to assist the epidemic prevention and control through professional and efficient information service capability to win ultimate victory.

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The screenshot shows the introduction page of the information sharing platform. At the top, there are logos for CNPAT (China Patent Information Center) and the National Intellectual Property Administration (CNIPA) Patent Examination Cooperation (Beijing) Center. The page title is "Information sharing platform for patents on pandemic prevention against COVID-19" with the Chinese subtitle "新型冠状病毒感染肺炎防疫专利信息共享平台". An email address "jiansuo@cnpat.com.cn" is provided. The main content is under the heading "Introduction" and describes the platform's purpose, data sources, and features. A blue "ENTER" button is at the bottom of the text area. At the very bottom of the page, it lists sponsors: "Sponsors: China Patent Information Center (CNPAT) and Patent Examination Cooperation (Beijing) Center of the Patent Office, CNIPA. Beijing ICP record number: 11033758-7".

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7000+
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Key areas of Technological Innovation Related to
"fighting against COVID-19"

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prophylactic medicine [33]	
detection and diagnosis kit [309]	
medical instrument [765]	
protective product [376]	
medical disinfection [101]	
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wastewater treatment method [235]	
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Second-level
Branches

World patent	Chinese patent
treatment medicine [940]	chemical medicine [594]
	biological medicine [154]
	traditional Chinese medicine [193]
prophylactic medicine [33]	
	vaccine [33]
detection and diagnosis kit [309]	
	gene detection and diagnosis [55]
	protein detection and diagnosis [...]

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Third-level
Branches

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treatment medicine [940]	chemical medicine [594]
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	inhibition of HIV proteases [1...]
	inhibition of influenza virus n...
	inhibition of coronavirus activ...
	inhibition of other RNA virus ...
	biological medicine [154]
	traditional Chinese medicine [193]
prophylactic medicine [33]	
	vaccine [33]

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World patent

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detection tool [53]

medical instrument [1143]

medical ventilator [221]

isolation cabin [95]

Methods and compounds for treating paramyxoviridae virus infections

translation

valid



application number: CN201180035776.1 filing date: 2011.07.22 publication number: CN103052631B

publication date: 2015.11.25 applicant:

main classification: C07D309/10

inventor: Parrish Jay P. Theodore Dorothy Agnes Mackman Richard L. Ray Adrian S.

abstract : Provided are methods for treating Paramyxoviridae virus infections by administering ribosides, riboside phosphates and prodrugs thereof, of Formula (I): wherein the 1' position of the nucleoside sugar is substituted. The compounds, compositions, and methods provided are particularly useful for the treatment of Human parainfluenza and Human respiratory syncytial virus infections.

translation

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Methods and compounds for treating paramyxoviridae virus infections

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Methods and compounds for treating paramyxoviridae virus infections

用于治疗副粘病毒科病毒感染的方法和化合物

application number :	CN201180035776.1	filing date:	2011.07.22
national/provincial :	US(美国)	publication number:	CN103052631A
publication date:	2013.04.17	main classification number:	C07D309/10
granting number:	CN103052631B	granting date:	2015.11.25
classification number:	C07D309/10;C07H19/00	applicant:	null
applicant address:	美国加利福尼亚		
inventor:	Parrish Jay P. Theodore Dorothy Agnes Mackman Richard L. Ray Adrian S.		
agent:	刘晓东		
agency:	11038中国国际贸易促进委员会专利商标事务所		
category classification:	18D	current state:	valid



abstract: Provided are methods for treating Paramyxoviridae virus infections by administering ribosides, riboside phosphates and prodrugs thereof, of Formula (I); wherein the 1' position of the nucleoside suga;r is substituted. The compounds, compositions, and methods provided are particularly useful for the treatment of Human parainfluenza and Human respiratory syncytial virus infections.

main claims: 1.化合物或其药学上可接受的盐在制备药物中的用途，所述药物用于治疗副粘病毒科病毒感染，其中所述化合物由式I表示：其中：R1是H；R2是ORa；R3是H或ORa；R5是H；R6是CN、(C1-C8)烷基、或(C2-C8)炔基；每个Ra是H；R7是H或每个Y或Y1独立地是O；W1和W2各自独立地是式Ia的基团：其中：每个Y2独立地是键、O或NR；M2是0、1或2；每个Rx独立地是Ry或下式：其中：每个M1a、M1c和M1d独立地是0或1；M12c是0、1、2、3、4、5、6、7、8、9、10、11或12；每个Ry独立地是H、R、-C(=Y1)OR或-SC(=Y1)R；每个R独立地是H、(C1-C8)烷基或C6-C20芳基；R8是NR11R12；R9是H；并且每个R11或R12独立地是H；其中R6中的每个(C1-C8)烷基、或(C2-C8)炔基独立地任选地被一个或多个卤代、羟基、CN、N3、N(Ra)2或ORa取代；且其中每个所述(C1-C8)烷基的非末端碳原子中的一个或多个可以任选地被-O-、-S-或-NRa-代替。

Sovereign claims: 1. Use of a compound, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for treating an infection with a Paramyxoviridae virus, wherein the compound is represented by Formula II: wherein: R1 is H; r2 is ORa; r3 is H or ORa; r5 is H; r6 is CN, (C1-C8) alkyl, or (C2-C8) alkynyl; each Ra is H; r7 is H or each Y or Y1 is independently O; w1 and W2 are each independently a group of formula Ia: wherein: each Y2 is independently a bond, O, or NR; m2 is 0, 1 or 2; each Rx is independently Ry or the formula: wherein: each M1a, M1c, and M1d is independently 0 or 1; m12c is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, or 12; each Ry is independently H, R,-C(=Y1)OR, or-SC(=Y1)R; each R is



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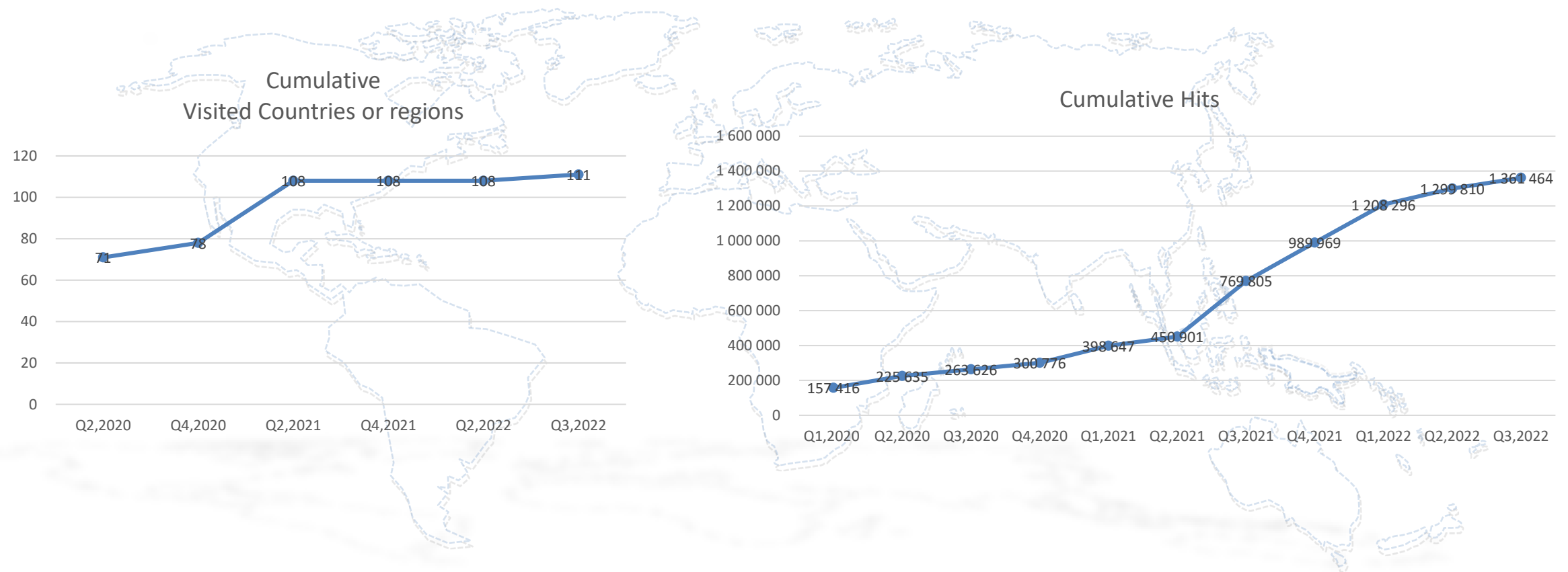


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As of Sep 16th, 2022



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