

## Recent patent applications in antivirals

Patent #	Subject	Assignee(s)	Inventor(s)	Priority application date	Publication date
EP 1674104, WO 2006067606, EP 1827457	The use of new and known uridine derivatives optionally in combination with interferon for preparing a drug having antiviral activity against <i>Flaviviridae</i> and hepatitis C virus.	CNRS (Paris), INSERM (Paris)	Agrofoglio L, Amblard F, Aucagne V, Durantel D, Escuret V, Joubert N, Trepo C, Zoulim F	12/24/2004	6/28/2006, 6/29/2006, 9/5/2007
JP 2006306836, WO 2007080669	A composition comprising a phenol derivative or its salt as an active ingredient; useful for treating bacterial and viral infections in pharmaceuticals, agrochemicals and as a disinfectant.	Micro Biotech (Tokushima, Japan)	Higuchi M, Higuchi N, Higuchi T, Koyama H, Shibata H	1/11/2005	11/9/2006, 7/19/2007
US 20070099296	A method of determining whether a test hepatitis C virus (HCV) has an altered susceptibility to a compound, comprising contacting a test host cell with the compound and detecting the activity of the indicator gene.	Monogram Biosciences (South San Francisco, CA, USA)	Gamarnik A, Parkin NT	7/30/1997	5/3/2007
US 20070087434, JP 2007091671	An antiviral artificial cell comprising an artificial cytoskeleton comprising an electromagnetic wave absorber that generates heat to neutralize a virus when externally irradiated with an electromagnetic wave, an artificial cytomembrane wrapping the artificial cytoskeleton and a nanoparticle having a magnetic spin, rotatably retained on the artificial cytomembrane and having a surface for capturing a virus. Useful as an antiviral drug used in a biofilter for removing virus.	Toshiba (Tokyo)	Itaya K, Naruse Y	9/29/2005	4/19/2007, 4/12/2007
US 20060142298, WO 2006071564, US 7183284	New aluminium salts of 1,2,3-triazoles useful for treating infection by human immunodeficiency virus.	Bristol-Myers Squibb (Princeton, NJ, USA), Kadow JF, Regueiro-Ren A	Kadow JF, Regueiro-Ren A	12/29/2004	6/29/2006, 7/6/2006, 2/27/2007
JP 2006335756	A medical treatment method, or antiviral drug or riboflavin (vitamin B2) drug for viral infection, preferably AIDS caused by HIV, having an envelope, involving using diethyl ether or a substance such as pancreas lipase, bile acid, chitosan, acetone, ethanol, newlase etc., where the concentration of the substance is not altered.	Uchiyama M	Uchiyama M	6/6/2005	12/14/2006
WO 2006091798	A method for lowering viral load of a virus, where the virus causes a chronic viral infection and is resistant to an antiviral drug, comprising administering to a host a medicament comprising the antiviral drug, where the antiviral drug is capable of selecting for a predetermined antiviral drug-resistant mutation in a viral protein, thus creating an antiviral drug-resistant virus; and a synthetic peptide of 9–15 amino acids, comprising the antiviral drug resistant mutation in the viral protein, where the peptide induces an antiviral cytotoxic T lymphocyte response.	US Department of Health and Human Services (Washington, DC, USA)	Berzofsky JA, Broder S, Catanzaro A, Okazaki T, Snyder JT, Yarchoan R	2/22/2005	8/31/2006
WO 2006084275, US 20060177483	A method for making a system for delivering drugs (e.g., antibiotic, anti-inflammatory, antihistamine, antiviral agent, cancer drug or anesthetic) involving forming a recognitive polymer hydrogel into contact lenses.	Auburn University (Auburn, AL, USA), Byrne ME, Venkatesh S, Ewing WR, Huang Y, Mikkilineni A, Sitkoff DF, Sun C, Yu G	Byrne ME, Venkatesh S, Ewing WR, Huang Y, Mikkilineni A, Sitkoff DF, Sun C, Yu G	2/4/2005	8/10/2006
WO 2006077427	A combination useful for treating infections caused by a glycosylated envelope protein bearing virus, comprising a viral entry inhibitor and an adjunctive agent selected from glycosylation modulator, alkovir and glycovir (e.g., glucovir).	MNL Pharma (Ceredigion, UK)	Carroll MW, Nash RJ, Slingsby JH	1/21/2005	7/27/2006
WO 2006065125	A method for determining whether a compound (e.g., an antiviral drug) can be transported through active transport by breast cancer resistance protein (BCRP) into the milk or colostrum of a lactating mammal, by determining whether the compound is a BCRP substrate.	Het Nederlands Kanter Instituut (Amsterdam)	Jonker JW, Schinkel AH, van Herwaarden AE	12/16/2004	6/22/2006

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