

# ВОЗ присвоила препарату Арбидол международный код АТХ как противовирусному препарату прямого действия (J05A - Direct acting antivirals)



WHO Collaborating Centre for  
Drug Statistics Methodology



Norwegian Institute of Public Health

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J **ANTIINFECTIVES FOR SYSTEMIC USE**

J05 **ANTIVIRALS FOR SYSTEMIC USE**

J05A **DIRECT ACTING ANTIVIRALS**

J05AX **Other antivirals**

ATC code	Name	DDD	U	Adm.R	Note
J05AX01	<a href="#">moroxydine</a>	0.3	g	O	
J05AX02	<a href="#">lysozyme</a>				
J05AX05	<a href="#">inosine pranobex</a>	3	g	O	
J05AX06	<a href="#">pleconaril</a>				
J05AX07	<a href="#">enfuvirtide</a>	0.18	g	P	
J05AX08	<a href="#">raltegravir</a>	0.8	g	O	
J05AX09	<a href="#">maraviroc</a>	0.6	g	O	
J05AX10	<a href="#">maribavir</a>				
J05AX11	<a href="#">elvitegravir</a>				
J05AX12	<a href="#">dolutegravir</a>	50	mg	O	
J05AX13	<a href="#">umifenovir</a>	0.8	g	O	
J05AX14	<a href="#">daclatasvir</a>				
J05AX15	<a href="#">sofosbuvir</a>	0.4	g	O	

[List of abbreviations](#)

Last updated: 2013-12-19

[http://www.whocc.no/atc\\_ddd\\_index/?code=J05AX](http://www.whocc.no/atc_ddd_index/?code=J05AX)

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- [Inhibition of influenza hemagglutinin with the antiviral inhibitor arbidol using a proteomics based approach and mass spectrometry.](#)  
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- [\[Potentiation of NO-dependent activation of soluble guanylyl cyclase by 5-nitroisatin and antiviral preparation arbidol\].](#)  
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- [Design of inhibitors of influenza virus membrane fusion: synthesis, structure-activity relationship and in vitro antiviral activity of a novel indole series.](#)  
Branco V, Peduto A, Wharton S, Martin S, Mero V, Di Mola A, Massa A, Porfetto B, Donnarumma G, Schiraldi C, Tufano MA, de Rosa M, Filosa R, Hoy A.  
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- [Glucuronidation of the broad-spectrum antiviral drug arbidol by UGT isoforms.](#)  
Song JJ, Fang ZF, Zhu JJ, Cao YF, Hu GM, Ge GB, Zhao DW.  
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- [Pharmacokinetics of single and multiple oral doses of arbidol in healthy Chinese volunteers.](#)  
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- [In vitro antiviral and immunomodulatory activity of Arbidol and structurally related derivatives in HSV 1-infected Human Keratinocytes \(HaCat\).](#)

Perfetto B, Filosa R, De Gregorio V, Peduto A, La Gatta A, De Caprariis P, Tufano MA, Donnarumma G.  
J Med Microbiol. 2014 Sep 3. pii: jmm.0.076612-0. doi: 10.1099/jmm.0.076612-0. [Epub ahead of print]  
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- [\[The peculiarities of the influenza epidemics in some areas of Russia during 2012-2013 season. The influenza A \(H1N1\) pdm09 virus domination in European countries\].](#)

L'vov DK, Burtseva EI, Shchelkanov Mlu, Kolobuhina LV, Feodoritova EL, Trushakova SV, Kirillova ES, Breslav NV, Beliaev AL, Merkulova LN, Vartanian RV, Fediakina IT, Bogdanova VS, Proshina ES, Kirillov IM, Kisteneva LV, Ivanova VT, Oskerko TA, Siluanova EV, Mukasheva EA, Krasnoslobodtsev KG, Lavrishcheva VV, Aik'hovskii SV, Prilipov AG, Samokhvalov EI, Aristova VA, Morozova TN, Garina EO, Malysheva NA.  
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- [Evaluation of antiviral efficacy of ribavirin, arbidol, and T-705 \(favipiravir\) in a mouse model for Crimean-Congo hemorrhagic fever.](#)

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PLoS Negl Trop Dis. 2014 May 1;8(5):e2804. doi: 10.1371/journal.pntd.0002804. eCollection 2014 May.  
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- [Arbidol as a broad-spectrum antiviral: an update.](#)

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- [Application of LA-ICP-MS as a rapid tool for analysis of elemental impurities in active pharmaceutical ingredients.](#)

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# АРБИДОЛ®

Год	Страна	Количество публикаций
2014	Латвия, Италия, Канада	3
2013	Австралия, Китай, Франция, Великобритания, Канада, Сингапур, Япония	17
2012	США, Нидерланды, Китай, Бельгия	7
2011	Франция, США, Китай	6
2010	Франция, Италия Испания, США, Бельгия Китай	9

**Арбидол активно изучается на международном уровне и интерес к препарату растет**

# Противовирусная активность Арбидола *in vitro*

Арбидол активен в отношении вирусов гриппа А и В, а также спектра других возбудителей ОРВИ

Семейство	Вирус	Показатель активности Арбидола	Ссылка
Orthomyxoviridae	Вирус гриппа А H1N1 A/PR/8/34 (сезонный) A/California/07/2009 (пандемич.)	МПК <sub>50</sub> 2,7 -4,0 мкг/мл	[1,2]
	Вирус гриппа А H3N2 A/Aichi/2/68	ИК <sub>50</sub> 6,7 мкг/мл	[3]
	Вирус гриппа А H5N1	ИК <sub>50</sub> 9,8-13,9 мкг/мл	[5]
	Вирус гриппа В В/Beijing/184/93	ИК <sub>50</sub> 7,1 мкг/мл	[3]
Pneumoviridae	РС вирус	МПК <sub>50</sub> 8,7 мкг/мл	[4]
Picornaviridae	Риновирус 14 типа	ИК <sub>50</sub> 6,5 мкг/мл	[3]
Paramyxoviridae	Вирус парагриппа 3 типа	ИК <sub>50</sub> 4,9 мкг/мл	[3]
Adenoviridae	Аденовирус	ИК <sub>50</sub> 20 мкг/мл	[6]
Coronaviridae	Вирус атипичной пневмонии (ТОРС)	Арбидол в дозе 50 мкг/мл вызывает угнетение репликации вируса на 2,3lg.	[7]

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4. Shi L. and ets. Arch Virol . –2007.– May
5. Федякина И.Т. и др. Антибиотики и химиотер. - 2011. – Т. 56, № 3-4. – С. 3-9.