

Identification of an iridium(III) complex with anti-bacterial and anti-cancer activity

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Atlantic Microlab, Inc.

Sample No. Ir E28
 6180 Atlantic Blvd. Suite M
 Norcross, GA 30071
 www.atlanticmicrolab.com

C₅₃H₂₉FeI₂N₅P

Company/School Hong Kong Baptist University
 Dept. Chemistry
 Address 224 Waterloo Road, Kowloon Tong
 City, State, Zip Hong Kong
 Professor/Supervisor: Dr. Edmond Ma Dik-Lung Name He Bingyong Date _____
 PO# / CC# _____ Phone _____

Element	Theory	Found		Single <input checked="" type="checkbox"/>	Duplicate <input type="checkbox"/>
C	53.61	51.73	51.57	Elements Present: Analyze for: Hygroscopic <input type="checkbox"/> Explosive <input type="checkbox"/> M.P. _____ B.P. _____ To be dried: Yes <input type="checkbox"/> No <input type="checkbox"/> Temp. _____ Vac. _____ Time _____ Rush Service <input type="checkbox"/> <small>Rush service guarantees analyses will be completed and results available by 5 PM EST on the day the sample is received by 11 AM.</small> Include Email Address or FAX # Below bingyonghe@gmail.com	
H	3.11	3.18	3.13		
N	7.44	7.43	7.39		
NO CHARGE FOR DUPLICATES					

Date Received JAN 19 2015 Date Completed JAN 20 2015
 Remarks: _____

Figure S1. Elemental analysis result of complex 2.

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Sample No. Rh C23 SUBMITTER

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 PROFESSOR/SUPERVISOR: Dr. Chung-Hang Leung City, St, Zip Science, University of Macau, Taipa, Macau

PO# / CC#: NAME Zhong Hai-Jing DATE _____ PHONE _____

Element	Theory	Found		Single <input type="checkbox"/>	Duplicate <input checked="" type="checkbox"/>
				Elements Present:	
C	<u>62.7</u>	<u>61.46</u>	<u>61.57</u>	Analyze for: <u>CHN</u>	
H	<u>3.63</u>	<u>3.61</u>	<u>3.71</u>	Hygroscopic: <input type="checkbox"/> Explosive: <input type="checkbox"/>	
N	<u>6.30</u>	<u>6.27</u>	<u>6.29</u>	M.P. _____ B.P. _____	
				To be dried: Yes <input type="checkbox"/> No <input type="checkbox"/>	
				Temp. _____ Vac. _____ Time _____	
				RUSH SERVICE <input type="checkbox"/> Rush service guarantees analyses will be completed and results available by 5pm EST on the day the sample is received by 11am	
				Include Email Address or Fax # Below: <u>lu lihua 2012@hotmail.com</u>	

Date Received JAN 18 2013 Date Completed JAN 21 2013

Remarks: edmondma@hkbu.edu.hk
duncanleung@umac.mo

Figure S2. Elemental analysis result of complex 5.

Table S2. MIC and MBC values of complex 1 against *S. aureus*.

Conc/ μ M	57.53	28.76	14.38	7.19	3.60	0
Test 1 (CFU)	0	0	0	0	100	10^9
Test 2 (CFU)	0	0	0	0	1438	1.14×10^{11}
Test 3 (CFU)	ND	0	0	1	438	10^9

Conc: Concentration

CFU: Colony forming units

ND: Not determined