SciEL015 omos

22 a 25 de Outubro 2013 | São Paulo - Brasil

Scielo 15 othos

SCIELO

comunicação científica. O objetivo do encontro é destacar e debater o estado da arte em comunicação científica em acesso aberto e os desafios para o desenvolvimento dos periódicos científicos e do Programa SciELO.

22 a 25 de Outubro 2013 | São Paulo - Brasil

Evolução do número de periódicos no SciELO Brasil, entre 1997 e 2012.





— Brasil

Evolução da indexação internacional dos periódicos dos países BRICS, JCR 2002 - 2011



Distribuição da indexação dos periódicos brasileiros nos índices SciELO, Scopus e WoS em Abril de 2013



WoS	140			
SciELO		26	5	
Scopus			291	

<u>World</u> <u>Rank</u> ▲	Portal	<u>Country</u>	<u>Size</u>	<u>Visibility</u>	<u>Files</u> <u>Rich</u>	<u>scholar</u>
1	Scientific Electronic Library Online Brazil SciELO Brazil		5	3	4	2
2	DIALNET	6	4	4	5	3
3	China National Knowledge Infrastructure	, -	1	5	110	1
4	Berkeley Electronic Press BEPress		15	1	38	8
5	Redalyc		28	6	2	5
6	HAL Hyper Article en Ligne		12	9	3	7
7	Revues.org	11	26	1	78	9
8	Érudit Consortium interuniversitaire	м	35	11	1	17
9	Scientific Electronic Library Online Chile SciELO Chile	1	50	10	15	12
10	Scientific Electronic Library Online España SciELO España	-	11	16	21	16

Ranking mundial de portais do Webometrics, Maio 2013.

Distribuição mensal de acessos e downloads de artigos em em 2011 a 2013 - mais de 1 milhão de downloads por dia



Evolução do multilinguismo na Coleção SciELO Brasil



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90% dos periódicos brasileiros tem Fator de Impacto abaixo da mediana nas respectivas áreas temáticas do JCR





Desenvolvimento dos periódicos SciELO:

- profissionalização
 - internacionalização
 - sustentabilidade

textos completos em XML sistema de marcação do SciELO - PMC

Abel L. Packer Programa SciELO / FAPESP, Coordenação Consultor de informação e comunicação em ciência da FAPUNIFESP

São Paulo, 17 maio 2013

estrutura da comunicação científica

submissão – peer-review – edição – formatação – publicação – indexação - interoperabilidade



Modelo Web/Internet: instâncias convergem online com alto grau de simultaneidade

SciELO - estrutura da comunicação científica



Modelo Web/Internet



submissão – peer-review – edição – formatação – publicação – indexação - interoperabilidade

processamento online de manuscrito textos completos em XML

- Requer marcação do texto completo
- Imagens de alta resolução
- Controle de qualidade

Tecnologia de marcação - DTD PMC

bibliometria

interoperabilidade

Modelo Web/Internet

submissão - peer-review - edição - formatação - publicação - indexação - interoperabilidade

SciELO - textos completos em XML – DTD SciELO - PMC

duas opções de marcação – geração do XML

- integrada no processo de editoração e publicação
 arquivo fonte para geração do HTML, PDF e ePUB
 arquivo fonte para o SciELO e PMC
- após a geração do PDF final
 - arquivo fonte para o SciELO e PMC

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Biomedical Sciences

In vitro and *in vivo* antitumor activity of crude extracts obtained from Brazilian C *hromobacterium* sp isolates

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 Menezes, C.B.A. 12 Silva, B.P. 12 Sousa, I.M.O. Ruiz, A.L.T.G. Spindola, H.M. Cabral, E. Eberlin, M.N. Tinti, S.V. Cabral, E. Eberlin, M.N. Tinti, S.V. Carvalho, J.E. Foglio, M.A. 12 Fantinatti-Garboggini, F. 12
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Abstract

Natural products produced by microorganisms have been an important source of new substances and lead compounds for the pharmaceutical industry. *Chromobacterium violaceum* is a Gram-negative β-proteobacterium, abundant in water and soil in tropical and subtropical regions and it produces violacein, a pigment that has shown great pharmaceutical potential. Crude extracts of five Brazilian isolates of *Chromobacterium* sp (0.25, 2.5, 25, and 250 µg/mL) were evaluated in an *in vitro* antitumor activity assay with

🍠 Sections

Introduction Material and Methods Results and Discussion Supplemental material

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Abstract

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SciELO Article Redesign Reading Functions: Article Metadata



Parati

Thus, the aim of this study was to evaluate the antitumor activity of crude extracts of *Chromobacterium* sp isolates from Minas Gerais and Amazonas, Brazil, and to establish a relationship between their differences in secondary metabolite compositions. The crude extracts showed cytotoxic activities with different potency and selectivity toward human

efficacy against both human tumor xenografts and murine tumors. This metabolite has shown a great therapeutic potential when compared to trichostatin, a specific inhibitor of histone acetylation, and is a selective agent against chronic leukemia of the lymphocytic cells in clinical assays. Romidepsin was approved by the US Food and Drug Administration in 2009 for use in patients with cutaneous T-cell lymphoma, under the trade name Istodax, and offers a promising new treatment for a disease with few existing therapies ⁹.

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Sci ELO In vitro and in vivo antitumor activity of crude... 🔻 🥩 🐻 🕼 🕼 🕼 🕼 🕍

erude extracts of bacterial cens were obtained by sequential extraction with thiofolorin, ethyl acetate and ethanol solvents. The first crude extract obtained after 3 h of extraction with 150 mL chloroform was designated as chloroform crude extract (ClCE). The second crude extract obtained after 6 h of extraction of the residue of the ClCE extract with 150 mL ethyl acetate was denominated ethyl acetate crude extract (AcCE). The last one was obtained with ethanol (150 mL) after 10 h of extraction from the resulting residue of the AcCE extract and was denominated ethanol crude extract (EtCE). The crude extracts (ClCE, AcCE, and EtCE) were concentrated under vacuum at 40°C (Buchi Rotovapor R200 with Büchi heating steam bath B490, Switzerland), until complete evaporation. The extracts were dissolved in dimethylsulfoxide (DMSO) and assayed for *in vitro* antitumor activity against human tumor cells. In addition, AcCE 310 and EtCE 310 extracts were evaluated for *in vivo* antitumor activity against a murine cancer model - solid **Erraction**

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Faihala	-2.16	1.15	3.58	1.25	2.11	0.04.4.87
Age - This phone is	(8.42	1.29	7.79	0.005	10.02	0.002-0.04
failed ACS			4.30	0.05		
H MAY AD	-11.96	187.85	15-194	0.04	8.00	0.00-2.06
Actual IND	-6.55	1.26	8.17	8-67	0.40	0.064.37
Papillary AD	1.62	1.30	1.34	0.04	4.55	0.06-08-04
NeOC .	0.34	1.24	0.07	0.7%	1.41	8-9-14-31
Frage II			3.11	8.24		
Energies 1	14.79	1.04	3.11	0.07	1.18	0.02-1.29
Frage II	-16.12	248.43	18-184	10.044	15-150	0.004.75
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AND F LOD IF A	-0.44	0.02	0.02	0.00	0.04	0.10.0.87
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Att 1 - 1 - 1 - 1	1.81	0.07	4.01	19-152	4.40	1,223-327-25

Table 1

Cytotoxic activity, reported as TGI values, of crude extracts of *Chromobacterium* sp isolates tested against human tumor cell lines.



Table 2

Cytotoxic activity, reported as TGI values, of crude extracts of *Chromobacterium* sp isolates tested against human tumor cell lines.



SciELO In vitro and in vivo antitumor activity of crude... 🔻 Z) ((·) CIUGE EXTIACTS OF DACTERIAL CERTS WERE ODTAILIEU DY SEQUENTIAL EXTIACTION WITH CHIOLODONI, ethyl acetate and ethanol solvents. The first crude extract obtained after 3 h of extraction with 150 mL chloroform was designated as chloroform crude extract (ClCE). The second crude extract obtained after 6 h of extraction of the residue of the CICE extract with 150 mL ethyl acetate was denominated ethyl acetate crude extract (AcCE). The last one was obtained with ethanol (150 mL) after 10 h of extraction from the resulting residue of the AcCE extract and was denominated ethanol crude extract (EtCE). The crude extracts (ClCE, AcCE, and EtCE) were concentrated under vacuum at 40°C (Büchi Rotovapor R200 with Büchi heating steam bath B490, Switzerland), until complete evaporation. The extracts were dissolved in dimethylsulfoxide (DMSO) and assayed for in vitro antitumor activity against human tumor cells. In addition, AcCE 310 and EtCE 310 extracts were evaluated for in vivo antitumor activity against a marine cancer model - solid 🗈 Ehrlich tumor.

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References

	β coefficient	SE	Wald	Р	Risk (B)	95%CI for exp(B)
Female	-2.18	1.15	3.59	0.05	0.11	0.01-1.07
Age <69 years	-3.62	1.29	7.79	0.005	0.02	0.002-0.34
Solid AD			4.39	0.35		
n situ AD	-11.98	187.53	0.00	0.94	0.00	0.00-2.66
Acinar AD	-0.50	1.20	0.17	0.67	0.60	0.05-6.37
Papillary AD	1.52	1.30	1.37	0.24	4.59	0.35-58.94
SqCC	0.34	1.24	0.07	0.78	1.41	0.12-16.20
Stage III			3.11	0.21		
Stage I	-1.70	0.96	3.11	0.07	0.18	0.02-1.20
Stage II	-15.12	269.63	0.00	0.95	0.00	0.00-8.73
HYAL-1			0.74	0.68		
HYAL-1 <31.9%	-0.21	0.94	0.05	0.82	0.80	0.12-5.17
HYAL-1 >31.9%	-0.63	0.73	0.74	0.38	0.52	0.12-2.25
HYAL-3			2.65	0.26		
HYAL-3 <70.8%	1.57	1.00	2.43	0.11	4.82	0.66-34.79
HYAL-3 >70.8%	1.61	1.09	2.20	0.13	5.04	0.59-42.75
HAS-1			0.60	0.74		
HAS-1 <22.8%	0.33	0.92	0.12	0.72	1.39	0.22-8.54
HAS-1 >22.8%	-0.44	0.92	0.22	0.63	0.64	0.10-3.92
HAS-2			4.30	0.11		
HAS-2 <14.6%	2.16	1.05	4.21	0.04	8.69	1.10-68.57

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Encaminhamentos

- adoção da marcação do PMC textos completos em XML periódicos ciências da saúde até dez 2013 todos os periódicos até dez 2014 domínio da tecnologia pelo SciELO domínio da tecnologia pelas empresas brasileiras contratação de empresas e serviços estrangeiros
 - estabilizar estrutura de custos e fontes de custeio
 - ampliar visibilidade internacional
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