

Françoise Benoit-Vical

List of Publications by Year in descending order

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119
papers

7,075
citations

76326

40
h-index

62596

80
g-index

122
all docs

122
docs citations

122
times ranked

6905
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistance to artemisinin in falciparum malaria parasites: A redox-mediated phenomenon. <i>Free Radical Biology and Medicine</i> , 2022, 179, 317-327.	2.9	24
2	Mutation in the Plasmodium falciparum BTB/POZ Domain of K13 Protein Confers Artemisinin Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0132021.	3.2	14
3	In Vitro and In Silico Antimalarial Evaluation of FM-AZ, a New Artemisinin Derivative. <i>Medicines (Basel)</i> , 2022, 11, 10784314. <small>Tj ETQq1 1 0.784314 1.4</small>	1.4	5
4	Synthesis and Antimalarial Activities of New Hybrid Atokel Molecules. <i>ChemistryOpen</i> , 2022, 11, e202200064.	1.9	4
5	Novel molecule combinations and corresponding hybrids targeting artemisinin-resistant Plasmodium falciparum parasites. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 39, 127884.	2.2	5
6	Superoxide: A major role in the mechanism of action of essential antimalarial drugs. <i>Free Radical Biology and Medicine</i> , 2021, 167, 271-275.	2.9	14
7	2-Phenoxy-3-Trichloromethylquinoxalines Are Antiplasmodial Derivatives with Activity against the Apicoplast of Plasmodium falciparum. <i>Pharmaceuticals</i> , 2021, 14, 724.	3.8	5
8	A New Thienopyrimidinone Chemotype Shows Multistage Activity against Plasmodium falciparum, Including Artemisinin-Resistant Parasites. <i>Microbiology Spectrum</i> , 2021, 9, e0027421.	3.0	10
9	Reactive Oxygen Species as the Brainbox in Malaria Treatment. <i>Antioxidants</i> , 2021, 10, 1872.	5.1	23
10	Identification of compounds active against quiescent artemisinin-resistant Plasmodium falciparum parasites via the quiescent-stage survival assay (QSA). <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2826-2834.	3.0	14
11	Alkoxyamines Designed as Potential Drugs against Plasmodium and Schistosoma Parasites. <i>Molecules</i> , 2020, 25, 3838.	3.8	9
12	An LC-MS Assay to Measure Superoxide Radicals and Hydrogen Peroxide in the Blood System. <i>Metabolites</i> , 2020, 10, 175.	2.9	15
13	Hybrid Gold(I) NHC-Artemether Complexes to Target Falciparum Malaria Parasites. <i>Molecules</i> , 2020, 25, 2817.	3.8	13
14	Prevalence of mutations in the Plasmodium falciparum chloroquine resistance transporter, PfCRT, and association with ex vivo susceptibility to common anti-malarial drugs against African Plasmodium falciparum isolates. <i>Malaria Journal</i> , 2020, 19, 201.	2.3	11
15	Design, Synthesis and Efficacy of Hybrid Triclosan-Gold Based Molecules on Artemisinin-resistant Plasmodium falciparum and Leishmania infantum Parasites. <i>ChemistrySelect</i> , 2020, 5, 619-625.	1.5	7
16	Low polymorphisms in pfact, pfugt and pfcarl genes in African Plasmodium falciparum isolates and absence of association with susceptibility to common anti-malarial drugs. <i>Malaria Journal</i> , 2019, 18, 293.	2.3	1
17	Epidemiologic Trends in Malaria Incidence Among Travelers Returning to Metropolitan France, 1996-2016. <i>JAMA Network Open</i> , 2019, 2, e191691.	5.9	33
18	2. SMALL MOLECULES: THE PAST OR THE FUTURE IN DRUG INNOVATION?. , 2019, , 17-48.		5

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19	8. DEVELOPING VANADIUM AS AN ANTIDIABETIC OR ANTICANCER DRUG: A CLINICAL AND HISTORICAL PERSPECTIVE. , 2019, 19, 203-230.		24
20	<i>Plasmodium falciparum</i> resistance to artemisinin-based combination therapies: A sword of Damocles in the path toward malaria elimination. Parasite, 2018, 25, 24.	2.0	111
21	Endoperoxide-based compounds: cross-resistance with artemisinins and selection of a Plasmodium falciparum lineage with a K13 non-synonymous polymorphism. Journal of Antimicrobial Chemotherapy, 2018, 73, 395-403.	3.0	14
22	Antiprotozoal properties of Indonesian medicinal plant extracts. Journal of Herbal Medicine, 2018, 11, 46-52.	2.0	8
23	Absence of a High Level of Duplication of the Plasmepsin II Gene in Africa. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	11
24	The D113N mutation in the RING E3 ubiquitin protein ligase gene is not associated with ex vivo susceptibility to common anti-malarial drugs in African Plasmodium falciparum isolates. Malaria Journal, 2018, 17, 108.	2.3	6
25	Multiple Phenotypic and Genotypic Artemisinin Sensitivity Evaluation of Malian Plasmodium falciparum Isolates. American Journal of Tropical Medicine and Hygiene, 2018, 98, 1123-1131.	1.4	3
26	Gold(I) complexes bearing phosphole ligands: Synthesis and antimalarial activity. Comptes Rendus Chimie, 2017, 20, 333-338.	0.5	12
27	Molecular surveillance of Plasmodium falciparum resistance to artemisinin-based combination therapies in the Democratic Republic of Congo. PLoS ONE, 2017, 12, e0179142.	2.5	25
28	Young Sprague Dawley rats infected by Plasmodium berghei: A relevant experimental model to study cerebral malaria. PLoS ONE, 2017, 12, e0181300.	2.5	6
29	Résistance de l'agent du paludisme, Plasmodium falciparum aux combinaisons thérapeutiques à base d'artémisinine (ACTs) : Craintes d'une chimiorésistance généralisée. Bulletin De L'Académie Nationale De Medecine, 2016, 200, 477-490.		2
30	Antiplasmodial activities of gold(I) complexes involving functionalized N -heterocyclic carbenes. Bioorganic and Medicinal Chemistry, 2016, 24, 3075-3082.	3.0	21
31	Plasmodium falciparum: multifaceted resistance to artemisinins. Malaria Journal, 2016, 15, 149.	2.3	91
32	The Plasmodium falciparum chloroquine resistance transporter is associated with the ex vivo P. falciparum African parasite response to pyronaridine. Parasites and Vectors, 2016, 9, 77.	2.5	12
33	In Vivo Efficacy and Parasite Clearance of Artesunate + Sulfadoxine-Pyrimethamine Versus Artemether-Lumefantrine in Mali. American Journal of Tropical Medicine and Hygiene, 2016, 94, 634-639.	1.4	18
34	Induction of Multidrug Tolerance in <i>Plasmodium falciparum</i> by Extended Artemisinin Pressure. Emerging Infectious Diseases, 2015, 21, 1733-1741.	4.3	40
35	Evaluation of antiplasmodial and antileishmanial activities of herbal medicine Pseudelephantopus spiralis (Less.) Cronquist and isolated hirsutinolide-type sesquiterpenoids. Journal of Ethnopharmacology, 2015, 170, 167-174.	4.1	17
36	Multinormal in vitro distribution of Plasmodium falciparum susceptibility to piperazine and pyronaridine. Malaria Journal, 2015, 14, 49.	2.3	28

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37	Samvisterin, a new natural antiplasmodial betulin derivative from <i>Uapaca paludosa</i> (Euphorbiaceae). <i>Journal of Ethnopharmacology</i> , 2015, 173, 100-104.	4.1	16
38	SAYE: The Story of an Antimalarial Phytomedicine from Burkina Faso. <i>Journal of Alternative and Complementary Medicine</i> , 2015, 21, 187-195.	2.1	3
39	Synthesis, Structures, and Biological Studies of Heterobimetallic Au(I)–Ru(II) Complexes Involving N-Heterocyclic Carbene-Based Multidentate Ligands. <i>Organometallics</i> , 2015, 34, 1046-1055.	2.3	73
40	Delayed-Onset Hemolytic Anemia in Patients with Travel-Associated Severe Malaria Treated with Artesunate, France, 2011–2013. <i>Emerging Infectious Diseases</i> , 2015, 21, 804-812.	4.3	49
41	K13-propeller mutations confer artemisinin resistance in <i>Plasmodium falciparum</i> clinical isolates. <i>Science</i> , 2015, 347, 428-431.	12.6	563
42	Antiprotozoal Activities of <i>Millettia richardiana</i> (Fabaceae) from Madagascar. <i>Molecules</i> , 2014, 19, 4200-4211.	3.8	6
43	Influence of Amodiaquine on the Antimalarial Activity of Ellagic Acid: Crystallographic and Biological Studies. <i>Chemical Biology and Drug Design</i> , 2014, 84, 669-675.	3.2	4
44	A molecular marker of artemisinin-resistant <i>Plasmodium falciparum</i> malaria. <i>Nature</i> , 2014, 505, 50-55.	27.8	1,617
45	Longitudinal study assessing the return of chloroquine susceptibility of <i>Plasmodium falciparum</i> in isolates from travellers returning from West and Central Africa, 2000–2011. <i>Malaria Journal</i> , 2013, 12, 35.	2.3	28
46	Both plants <i>Sebastiania chamaelea</i> from Niger and <i>Chrozophora senegalensis</i> from Senegal used in African traditional medicine in malaria treatment share a same active principle. <i>Journal of Ethnopharmacology</i> , 2013, 149, 676-684.	4.1	19
47	In vitro piperazine susceptibility is not associated with the <i>Plasmodium falciparum</i> chloroquine resistance transporter gene. <i>Malaria Journal</i> , 2013, 12, 431.	2.3	27
48	Synthesis, structures, and antimalarial activities of some silver(I), gold(I) and gold(III) complexes involving N-heterocyclic carbene ligands. <i>European Journal of Medicinal Chemistry</i> , 2013, 60, 64-75.	5.5	82
49	Reduced Artemisinin Susceptibility of <i>Plasmodium falciparum</i> Ring Stages in Western Cambodia. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 914-923.	3.2	233
50	Correlation between <i>Plasmodium yoelii nigeriensis</i> Susceptibility to Artemisinin and Alkylation of Heme by the Drug. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3998-4000.	3.2	14
51	Pyranocoumarin and Triterpene from <i>Millettia Richardiana</i> . <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	2
52	Surveillance of Travellers: An Additional Tool for Tracking Antimalarial Drug Resistance in Endemic Countries. <i>PLoS ONE</i> , 2013, 8, e77775.	2.5	11
53	Pyranocoumarin and triterpene from <i>Millettia richardiana</i> . <i>Natural Product Communications</i> , 2013, 8, 1099-100.	0.5	3
54	In vitro phenotype of reduced susceptibility to artemisinin in <i>Plasmodium falciparum</i> isolates from western Cambodia. <i>International Journal of Infectious Diseases</i> , 2012, 16, e178.	3.3	13

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55	Effects of Antimalarial Molecules on the Gametocyte Stage of <i>Plasmodium falciparum</i> : The Debate. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10328-10344.	6.4	40
56	Molecular monitoring of plasmodium falciparum drug susceptibility at the time of the introduction of artemisinin-based combination therapy in Yaoundé, Cameroon: Implications for the future. <i>Malaria Journal</i> , 2012, 11, 113.	2.3	26
57	Evidence for the Contribution of the Hemozoin Synthesis Pathway of the Murine <i>Plasmodium yoelii</i> to the Resistance to Artemisinin-Related Drugs. <i>PLoS ONE</i> , 2012, 7, e32620.	2.5	19
58	Implication of Glutathione in the In Vitro Antiplasmodial Mechanism of Action of Ellagic Acid. <i>PLoS ONE</i> , 2012, 7, e45906.	2.5	24
59	Chloroquine-Resistant Malaria in Travelers Returning from Haiti after 2010 Earthquake. <i>Emerging Infectious Diseases</i> , 2012, 18, 1346-1349.	4.3	26
60	Ex vivo activity of the ACT new components pyronaridine and piperazine in comparison with conventional ACT drugs against isolates of <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2012, 11, 45.	2.3	26
61	Indole and aminoimidazole moieties appear as key structural units in antiplasmodial molecules. <i>Phytomedicine</i> , 2011, 18, 1118-1125.	5.3	23
62	Do ethnobotanical and laboratory data predict clinical safety and efficacy of anti-malarial plants?. <i>Malaria Journal</i> , 2011, 10, S7.	2.3	40
63	Severe Imported <i>Plasmodium falciparum</i> Malaria, France, 1996-2003. <i>Emerging Infectious Diseases</i> , 2011, 17, 807-813.	4.3	61
64	Imported <i>Plasmodium knowlesi</i> Malaria in a French Tourist Returning from Thailand. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 535-538.	1.4	44
65	Nrf2, a PPAR α Alternative Pathway to Promote CD36 Expression on Inflammatory Macrophages: Implication for Malaria. <i>PLoS Pathogens</i> , 2011, 7, e1002254.	4.7	70
66	Severe Imported Falciparum Malaria: A Cohort Study in 400 Critically Ill Adults. <i>PLoS ONE</i> , 2010, 5, e13236.	2.5	134
67	Increased Tolerance to Artemisinin in <i>Plasmodium falciparum</i> Is Mediated by a Quiescence Mechanism. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1872-1877.	3.2	258
68	<i>pfmdr1</i> Amplification Associated with Clinical Resistance to Mefloquine in West Africa: Implications for Efficacy of Artemisinin Combination Therapies. <i>Journal of Clinical Microbiology</i> , 2010, 48, 3797-3799.	3.9	15
69	<i>Plasmodium falciparum</i> Isolates with Increased <i>pfmdr1</i> Copy Number Circulate in West Africa. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3049-3051.	3.2	28
70	Analgesic and anti-inflammatory effects of <i>Cassia siamea</i> Lam. stem bark extracts. <i>Journal of Ethnopharmacology</i> , 2010, 127, 108-111.	4.1	78
71	Molecular method for the diagnosis of imported pediatric malaria. <i>Médecine Et Maladies Infectieuses</i> , 2010, 40, 115-118.	5.0	3
72	In Vitro and In Vivo Properties of Ellagic Acid in Malaria Treatment. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 1100-1106.	3.2	116

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73	Pfs 16 pivotal role in Plasmodium falciparum gametocytogenesis: A potential antiplasmodial drug target. <i>Experimental Parasitology</i> , 2009, 121, 189-192.	1.2	16
74	Resistance to antimalarial compounds: Methods and applications. <i>Drug Resistance Updates</i> , 2009, 12, 42-50.	14.4	30
75	Concentration and purification by magnetic separation of the erythrocytic stages of all human Plasmodium species. <i>Malaria Journal</i> , 2008, 7, 45.	2.3	191
76	Evaluation of Senegalese plants used in malaria treatment: Focus on <i>Chrozophora senegalensis</i> . <i>Journal of Ethnopharmacology</i> , 2008, 116, 43-48.	4.1	21
77	The Antimalarial Trioxaquine DU1301 Alkylates Heme in Malaria-Infected Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2966-2969.	3.2	40
78	<i>Cogniauxia Podolaena</i> : Bioassay-Guided Fractionation of Defoliated Stems, Isolation of Active Compounds, Antiplasmodial Activity and Cytotoxicity. <i>Planta Medica</i> , 2008, 74, 1453-1456.	1.3	15
79	Girolline: A Potential Lead Structure For Antiplasmodial Drug Research. <i>Planta Medica</i> , 2008, 74, 438-444.	1.3	21
80	PCR-based methods to the diagnosis of imported malaria. <i>Parasite</i> , 2008, 15, 484-488.	2.0	45
81	Trioxaquinones Are New Antimalarial Agents Active on All Erythrocytic Forms, Including Gametocytes. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1463-1472.	3.2	145
82	Trioxaquinones and Heme-Artemisinin Adducts Inhibit the In Vitro Formation of Hemozoin Better than Chloroquine. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3768-3770.	3.2	59
83	Are West African plants a source of future antimalarial drugs?. <i>Journal of Ethnopharmacology</i> , 2007, 114, 130-140.	4.1	95
84	IL-13 induces expression of CD36 in human monocytes through PPAR α activation. <i>European Journal of Immunology</i> , 2007, 37, 1642-1652.	2.9	83
85	Modifications of the chemical structure of terpenes in antiplasmodial and antifungal drug research. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6075-6078.	2.2	33
86	In vitro antiplasmodial activity of 18 plants used in Congo Brazzaville traditional medicine. <i>Journal of Ethnopharmacology</i> , 2006, 104, 168-174.	4.1	91
87	Prevalence of Plasmodium falciparum cytochrome b gene mutations in isolates imported from Africa, and implications for atovaquone resistance. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2006, 100, 986-988.	1.8	25
88	In vitro and in vivo Antiplasmodial Activity of <i>Momordica balsamina</i> ; Alone or in a Traditional Mixture. <i>Chemotherapy</i> , 2006, 52, 288-292.	1.6	28
89	The key role of heme to trigger the antimalarial activity of trioxanes. <i>Coordination Chemistry Reviews</i> , 2005, 249, 1927-1936.	18.8	47
90	An alternative method for Plasmodium culture synchronization. <i>Experimental Parasitology</i> , 2005, 109, 195-197.	1.2	58

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91	The antimalarial drug artemisinin alkylates heme in infected mice. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13676-13680.	7.1	167
92	Use of a Locked-Nucleic-Acid Oligomer in the Clamped-Probe Assay for Detection of a Minority Pfcr1 K76T Mutant Population of Plasmodium falciparum. Journal of Clinical Microbiology, 2005, 43, 3304-3308.	3.9	19
93	EX VIVO AND IN VITRO IMPAIRMENT OF CD36 EXPRESSION AND TUMOR NECROSIS FACTOR- α PRODUCTION IN HUMAN MONOCYTES IN RESPONSE TO PLASMODIUM FALCIPARUM- α PARASITIZED ERYTHROCYTES. Journal of Parasitology, 2005, 91, 316-322.	0.7	8
94	Heme as Trigger and Target of the Antimalarial Peroxide Artemisinin. ACS Symposium Series, 2005, , 281-294.	0.5	0
95	Ethnomedicine in malaria treatment. IDrugs: the Investigational Drugs Journal, 2005, 8, 45-52.	0.7	6
96	Detection by real-time PCR of the Pfcr1 T76 mutation, a molecular marker of chloroquine-resistant Plasmodium falciparum strains. Parasitology Research, 2004, 93, 5-7.	1.6	18
97	Synthesis and Antimalarial Activity of Trioxaquine Derivatives. Chemistry - A European Journal, 2004, 10, 1625-1636.	3.3	127
98	Pfcr1 K76T mutation and its associations in imported Plasmodium falciparum malaria cases. Infection, Genetics and Evolution, 2004, 4, 361-364.	2.3	7
99	Antiplasmodial and antifungal activities of iridal, a plant triterpenoid. Phytochemistry, 2003, 62, 747-751.	2.9	62
100	Synthesis and biological evaluation of a new trioxaquine containing a trioxane moiety obtained by halogenocyclisation of a hemiperoxyacetal. Comptes Rendus Chimie, 2003, 6, 153-160.	0.5	10
101	N α -Dribala (Cochlospermum planchonii) versus chloroquine for treatment of uncomplicated Plasmodium falciparum malaria. Journal of Ethnopharmacology, 2003, 89, 111-114.	4.1	47
102	Chloroquine and artemisinin: six decades of research--what next?. IDrugs: the Investigational Drugs Journal, 2003, 6, 674-80.	0.7	1
103	Antiplasmodial and Cytotoxic Activity of Galipinine and other Tetrahydroquinolines from Galipea officinalis. Planta Medica, 2002, 68, 68-69.	1.3	162
104	Recent Advances in Malaria Chemotherapy. Journal of the Chinese Chemical Society, 2002, 49, 301-310.	1.4	10
105	From classical antimalarial drugs to new compounds based on the mechanism of action of artemisinin. Pure and Applied Chemistry, 2001, 73, 1173-1188.	1.9	74
106	Antiplasmodial Activity of <i>Cochlospermum planchonii</i> and <i>C. tinctorium</i> Tubercle Essential Oils. Journal of Essential Oil Research, 2001, 13, 65-67.	2.7	16
107	Perceived Risks and Reported Behaviors Associated with Osteoporosis and Its Treatment. Women and Health, 2001, 31, 21-40.	1.0	39
108	Anti-Toxoplasma activity of vegetal extracts used in West African traditional medicine. Parasite, 2000, 7, 3-7.	2.0	29

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109	Preparation and Antimalarial Activities of "Trioxaquinés", New Modular Molecules with a Trioxane Skeleton Linked to a 4-Aminoquinoline. <i>ChemBioChem</i> , 2000, 1, 281-283.	2.6	144
110	In Vitro and In Vivo Potentiation of Artemisinin and Synthetic Endoperoxide Antimalarial Drugs by Metalloporphyrins. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 2836-2841.	3.2	40
111	Antiplasmodial activity of plant extracts used in west African traditional medicine. <i>Journal of Ethnopharmacology</i> , 2000, 73, 145-151.	4.1	66
112	<i>In vitro</i> Antimalarial Activity and Cytotoxicity of <i>Cochlospermum tinctorium</i> and <i>C. planchonii</i> Leaf Extracts and Essential Oils. <i>Planta Medica</i> , 1999, 65, 378-381.	1.3	42
113	Potentiation of Artemisinin Activity against Chloroquine-Resistant <i>Plasmodium falciparum</i> Strains by Using Heme Models. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 2555-2558.	3.2	20
114	Analysis of the parasitic copepod species richness among Mediterranean fish. <i>Journal of Marine Systems</i> , 1998, 15, 185-206.	2.1	85
115	<i>In vitro</i> antiplasmodial activity of stem and root extracts of <i>Nauclea latifolia</i> S.M. (Rubiaceae). <i>Journal of Ethnopharmacology</i> , 1998, 61, 173-178.	4.1	76
116	<i>In vitro</i> antimalarial activity of penduline, a bisbenzylisoquinoline from <i>Isopyrum thalictroides</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1997, 41, 2305-2307.	3.2	56
117	<i>In Vitro</i> Antimalarial Activity of Vegetal Extracts Used in West African Traditional Medicine. <i>American Journal of Tropical Medicine and Hygiene</i> , 1996, 54, 67-71.	1.4	103
118	Composition and antimalarial activity <i>in vitro</i> of volatile components of <i>lippia multiflora</i> . <i>Phytochemistry</i> , 1995, 40, 1439-1442.	2.9	77
119	Antimalarial activity <i>in vitro</i> of <i>Cochlospermum tinctorium</i> tubercle extracts. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1995, 89, 217-218.	1.8	50