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Photoreactivity of biologically active compounds. VII. Interaction of antimalarial drugs with melanin in vitro as part of phototoxicity screening

DOI: 10.1016/1011-1344(94)85039-9

Journal of Photochemistry and Photobiology B: Biology, 1994, 26, 87-95.

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**Version:** 2024-04-27

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#	Paper	IF	Citations
23	Formulation study of a transdermal delivery system of primaquine. <i>International Journal of Pharmaceutics</i> , <b>1996</b> , 132, 71-79	6.5	21
22	Photosensitizing properties of quinine and synthetic antimalarials. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1998</b> , 42, 1-11	6.7	26
21	Mechanism for the Photochemical Production of Superoxide by Quinacrine. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 3963-3964	3.4	21
20	Binding of doxycycline to keratin, melanin and human epidermal tissue. <i>International Journal of Pharmaceutics</i> , <b>2002</b> , 235, 219-27	6.5	32
19	Binding of memantine to melanin: influence of type of melanin and characteristics. <i>Pharmaceutical Research</i> , <b>2003</b> , 20, 1702-9	4.5	17
18	Development of a liquid chromatography-mass spectrometric method for measuring the binding of memantine to different melanins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2003</b> , 787, 313-22	3.2	21
17	Sensitive Determination of the Binding of Antidepressants to Synthetic Melanin by Liquid Chromatography After Pre-column Derivatization with Dansyl Chloride. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2004</b> , 27, 1903-1914	1.3	1
16	Solvent effects on reactions of singlet molecular oxygen, $O_2(1\Delta_g)$ , with antimalarial drugs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2004</b> , 168, 91-96	4.7	16
15	Reaction of singlet molecular oxygen, $O_2(1\Delta_g)$ , with the Cinchona tree alkaloids: Effect of absolute configuration on the total rate constant. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2005</b> , 175, 146-153	4.7	7
14	Simultaneous determination of the binding of amantadine and its analogues to synthetic melanin by liquid chromatography after precolumn derivatization with dansyl chloride. <i>Journal of Chromatographic Science</i> , <b>2005</b> , 43, 213-7	1.4	11
13	Simultaneous analysis of haloperidol, its three metabolites and two other butyrophenone-type neuroleptics by high performance liquid chromatography with dual ultraviolet detection. <i>Biomedical Chromatography</i> , <b>2006</b> , 20, 166-72	1.7	20
12	Complexation in two-component chlortetracycline-melanin solutions. <i>Journal of Applied Spectroscopy</i> , <b>2008</b> , 75, 53-63	0.7	1
11	Photophysical Studies on Antimalarial Drugs. <i>Photochemistry and Photobiology</i> , <b>2008</b> , 69, 282-287	3.6	4
10	Small molecule modulators of aggregation in synthetic melanin polymerizations. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 5503-7	2.9	6
9	Ambient UVA-induced expression of p53 and apoptosis in human skin melanoma A375 cell line by quinine. <i>Photochemistry and Photobiology</i> , <b>2013</b> , 89, 655-64	3.6	12
8	Photosensitized mefloquine induces ROS-mediated DNA damage and apoptosis in keratinocytes under ambient UVB and sunlight exposure. <i>Cell Biology and Toxicology</i> , <b>2014</b> , 30, 253-68	7.4	14
7	Implications of melanin binding in ocular drug delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2018</b> , 126, 23-43	8.5	49

- 6 Drug-Induced Phototoxic Response. **2018**, 77-84 2
- 5 Photophysical study and approach against of dicloro-5,10,15,20-tetrakis(4-bromophenyl)porphyrinato Sn(IV). *F1000Research*, **2021**, 10, 379 3.6
- 4 Photophysical study and in vitro approach against *Leishmania panamensis* of dicloro-5,10,15,20-tetrakis(4-bromophenyl)porphyrinato Sn(IV). *F1000Research*, 10, 379 3.6
- 3 Drug Induced Ocular Phototoxicity. **2004**, 449-469
- 2 Screening of the Photoreactivity of Antimalarials. **2004**, 213-233
- 1 Photophysical study and in vitro approach against *Leishmania panamensis* of dicloro-5,10,15,20-tetrakis(4-bromophenyl)porphyrinato Sn(IV). *F1000Research*, 10, 379 3.6 ○