

# ERRATA

Univerzita Karlova, Farmaceutická fakulta v Hradci Králové

Katedra Farmaceutická technologie

Školitel: PharmDr. Ondřej Holas, PhD.

Konzultant: Mgr. Barbora Boltnarová

Posluchač: Natalie Wurzel

Název diplomové práce: Příprava a hodnocení nanočástic pro cílenou léčbu zánětlivých onemocnění

## Oprava:

Původní text: str. 18, řádek 14: nacházají

Oprava textu: nacházejí

Původní text: str. 30, řádek 3: d= 0,1 mg

Oprava textu: d = 0,1 mg

Původní text: str. 30, řádek 6: 100-1000 ot./min

Oprava textu: 100 – 1000 ot./min

Původní text: str. 33

Molární koncentrace DA v ACN ( $\mu\text{M}$ )	Množství DA ( $\mu\text{g}$ ) v 1 ml roztoku
800	347,6
400	173,8
200	86,9
100	43,45
10	4,345
0,25	0,108625

Oprava textu:

Molární koncentrace DA v ACN ( $\mu\text{M}$ )	Množství DA ( $\mu\text{g}$ ) v 1 ml roztoku
800,00	347,600000
400,00	173,800000

200,00	86,900000
100,00	43,450000
10,00	4,345000
0,25	0,108625

Původní text: str. 64–66

58. ROCCA Joseph, LIU Demin, LIN Wenbin. Are high drug loading nanoparticles the next step forward for chemotherapy? *Nanomedicine* [online]. 2012, 7(3) [cit. 2023-08-21]. ISSN 1748-6963. Dostupné z: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3777216/>
59. GOMEZ-GAETE Carolina, TSAPIS Nicolas, BESNARD Madelaine a kol. Encapsulation of dexamethasone into biodegradable polymeric nanoparticles. *International Journal of Pharmaceutics*. [online] 2007, 331(2). ISSN 03785173. [cit. 2023-07-07] Dostupné z: <https://www.sciencedirect.com/science/article/pii/S0378517306009859>
60. HU Qin, GONG Xiaojuan, LIU Lizhen, CHOIL Martin M. F. Characterization and Analytical Separation of Fluorescent Carbon Nanodots. *Journal of Nanomaterials* [online]. 2017, 1(23) [cit. 2023-08-24]. ISSN 1687-4129. Dostupné z: [https://www.researchgate.net/publication/320636295\\_Characterization\\_and\\_Analytical\\_Separation\\_of\\_Fluorescent\\_Carbon\\_Nanodots](https://www.researchgate.net/publication/320636295_Characterization_and_Analytical_Separation_of_Fluorescent_Carbon_Nanodots)
61. KOZÁČKOVÁ Daniela. Polymerní částice pro cílenou terapii a zvýšení biodostupnosti [online]. Hradec Králové, 2022 [cit. 2023-08-19]. Dostupné z: <https://dspace.cuni.cz/bitstream/handle/20.500.11956/173584/120420987.pdf?sequence=1&isAllowed=y>. Diplomová práce. FAF UK HK.
62. LAYRE Anne-Magali, GREF Ruxandra, JOËL Richard a kol. Nanoencapsulation of a crystalline drug. *International Journal of Pharmaceutics* [online]. 2005, 298(2) [cit. 2023-08-20]. ISSN 1873-3476. Dostupné z: <https://www.sciencedirect.com/science/article/pii/S0378517305002425#fig1>
63. BARICHELLO Jose Mario, MORISHITA Mariko, TAKAYAMA Kozo, NAGAI Tsuneji. Encapsulation of Hydrophilic and Lipophilic Drugs in PLGA Nanoparticles by the Nanoprecipitation Method. *Drug Development and*

- Industrial Pharmacy [online]. 1999, 25(4) [cit. 2023-08-25]. ISSN 1520-5762.  
Dostupné z: <https://www.tandfonline.com/doi/full/10.1081/DDC-100102197?needAccess=true>
64. ROY Soumyendu, JAIN Vishal, BAJPAI Reeti a kol. Formation of Carbon Nanotube Bucky Paper and Feasibility Study for Filtration at the Nano and Molecular Scale. *The Journal of Physical Chemistry C* [online]. 2012, 116(35) [cit. 2023-08-25]. ISSN 1932-7455. Dostupné z: [https://www.researchgate.net/publication/261529151\\_Formation\\_of\\_Carbon\\_Nanotube\\_Bucky\\_Paper\\_and\\_Feasibility\\_Study\\_for\\_Filtration\\_at\\_the\\_Nano\\_and\\_Molecular\\_Scale](https://www.researchgate.net/publication/261529151_Formation_of_Carbon_Nanotube_Bucky_Paper_and_Feasibility_Study_for_Filtration_at_the_Nano_and_Molecular_Scale)
65. FORNAGUERA Cristina, SOLANS Conxita. Analytical Methods to Characterize and Purify Polymeric Nanoparticles. *International Journal of Polymer Science* [online]. 2018 [cit. 2023-08-18]. ISSN 1687-9430. Dostupné z: [https://www.researchgate.net/publication/326864637\\_Analytical\\_Methods\\_to\\_Characterize\\_and\\_Purify\\_Polymeric\\_Nanoparticles](https://www.researchgate.net/publication/326864637_Analytical_Methods_to_Characterize_and_Purify_Polymeric_Nanoparticles)
66. VAUTHIER Christine, BOUCHEMAL Kawthar. Methods for the Preparation and Manufacture of Polymeric Nanoparticles. *Pharmaceutical Research* [online]. 2009, 26(5) [cit. 2023-08-20]. ISSN 1573-904X. Dostupné z: <https://link.springer.com/article/10.1007/s11095-008-9800-3>
67. KOZAK Anna, SADOWSKI Zygmunt. Effect of Pluronic and surfactant adsorption onto dolomite suspension zeta potential and stability. *Annales Universitatis Mariae Curie-Skłodowska sectio AA – Chemia* [online]. 2015, 70(1) [cit. 2023-08-19]. ISSN 2083-358X. Dostupné z: [https://www.researchgate.net/publication/282638224\\_Effect\\_of\\_Pluronic\\_and\\_surfactant\\_adsorption\\_onto\\_dolomite\\_suspension\\_zeta\\_potential\\_and\\_stability](https://www.researchgate.net/publication/282638224_Effect_of_Pluronic_and_surfactant_adsorption_onto_dolomite_suspension_zeta_potential_and_stability)
68. SHEN Shihong, WU Youshen, LIU Yongchun, WUHIGH Daocheng. Drug-loading nanomedicines: progress, current status, and prospects. *International Journal of Nanomedicine* [online]. 2017, 12 [cit. 2023-08-21]. ISSN 1178-2013. Dostupné z: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5459982/>
69. ŠIRAJOVÁ Daniela. Příprava polymerních fluorescenčních nanočástic. [online]. Hradec Králové, 2021 [cit. 2023-08-21]. Dostupné z: <https://dspace.cuni.cz/bitstream/handle/20.500.11956/173584/120420987.pdf?sequence=1&isAllowed=y>. Diplomová práce. FAF UK HK.

Oprava textu:

58. GOMEZ-GAETE Carolina, TSAPIS Nicolas, BESNARD Madelaine a kol. Encapsulation of dexamethasone into biodegradable polymeric nanoparticles. *International Journal of Pharmaceutics*. [online] 2007, 331(2). ISSN 03785173. [cit. 2023-07-07] Dostupné z: <https://www.sciencedirect.com/science/article/pii/S0378517306009859>
59. LAYRE Anne-Magali, GREF Ruxandra, JOËL Richard a kol. Nanoencapsulation of a crystalline drug. *International Journal of Pharmaceutics* [online]. 2005, 298(2) [cit. 2023-08-20]. ISSN 1873-3476. Dostupné z: <https://www.sciencedirect.com/science/article/pii/S0378517305002425#fig1>
60. BARICHELLO Jose Mario, MORISHITA Mariko, TAKAYAMA Kozo, NAGAI Tsuneji. Encapsulation of Hydrophilic and Lipophilic Drugs in PLGA Nanoparticles by the Nanoprecipitation Method. *Drug Development and Industrial Pharmacy* [online]. 1999, 25(4) [cit. 2023-08-25]. ISSN 1520-5762. Dostupné z: <https://www.tandfonline.com/doi/full/10.1081/DDC-100102197?needAccess=true>
61. SHEN Shihong, WU Youshen, LIU Yongchun, WUHIGH Daocheng. Drug-loading nanomedicines: progress, current status, and prospects. *International Journal of Nanomedicine* [online]. 2017, 12 [cit. 2023-08-21]. ISSN 1178-2013. Dostupné z: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5459982/>
62. ROCCA Joseph, LIU Demin, LIN Wenbin. Are high drug loading nanoparticles the next step forward for chemotherapy? *Nanomedicine* [online]. 2012, 7(3) [cit. 2023-08-21]. ISSN 1748-6963. Dostupné z: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3777216/>
63. ŠIRAJOVÁ Daniela. Příprava polymerních fluorescenčních nanočástic. [online]. Hradec Králové, 2021 [cit. 2023-08-21]. Dostupné z: <https://dspace.cuni.cz/bitstream/handle/20.500.11956/173584/120420987.pdf?sequence=1&isAllowed=y>. Diplomová práce. FAF UK HK.
64. HU Qin, GONG Xiaojuan, LIU Lizhen, CHOIL Martin M. F. Characterization and Analytical Separation of Fluorescent Carbon Nanodots. *Journal of Nanomaterials* [online]. 2017, 1(23) [cit. 2023-08-24]. ISSN 1687-4129. Dostupné z:

- [https://www.researchgate.net/publication/320636295\\_Characterization\\_and\\_Analytical\\_Separation\\_of\\_Fluorescent\\_Carbon\\_Nanodots](https://www.researchgate.net/publication/320636295_Characterization_and_Analytical_Separation_of_Fluorescent_Carbon_Nanodots)
65. KOZÁČKOVÁ Daniela. Polymerní částice pro cílenou terapii a zvýšení biodostupnosti [online]. Hradec Králové, 2022 [cit. 2023-08-19]. Dostupné z: <https://dspace.cuni.cz/bitstream/handle/20.500.11956/173584/120420987.pdf?sequence=1&isAllowed=y>. Diplomová práce. FAF UK HK.
  66. ROY Soumyendu, JAIN Vishal, BAJPAI Reeti a kol. Formation of Carbon Nanotube Bucky Paper and Feasibility Study for Filtration at the Nano and Molecular Scale. *The Journal of Physical Chemistry C* [online]. 2012, 116(35) [cit. 2023-08-25]. ISSN 1932-7455. Dostupné z: [https://www.researchgate.net/publication/261529151\\_Formation\\_of\\_Carbon\\_Nanotube\\_Bucky\\_Paper\\_and\\_Feasibility\\_Study\\_for\\_Filtration\\_at\\_the\\_Nano\\_and\\_Molecular\\_Scale](https://www.researchgate.net/publication/261529151_Formation_of_Carbon_Nanotube_Bucky_Paper_and_Feasibility_Study_for_Filtration_at_the_Nano_and_Molecular_Scale)
  67. FORNAGUERA Cristina, SOLANS Conxita. Analytical Methods to Characterize and Purify Polymeric Nanoparticles. *International Journal of Polymer Science* [online]. 2018 [cit. 2023-08-18]. ISSN 1687-9430. Dostupné z: [https://www.researchgate.net/publication/326864637\\_Analytical\\_Methods\\_to\\_Characterize\\_and\\_Purify\\_Polymeric\\_Nanoparticles](https://www.researchgate.net/publication/326864637_Analytical_Methods_to_Characterize_and_Purify_Polymeric_Nanoparticles)
  68. VAUTHIER Christine, BOUCHEMAL Kawthar. Methods for the Preparation and Manufacture of Polymeric Nanoparticles. *Pharmaceutical Research* [online]. 2009, 26(5) [cit. 2023-08-20]. ISSN 1573-904X. Dostupné z: <https://link.springer.com/article/10.1007/s11095-008-9800-3>
  69. KOZAK Anna, SADOWSKI Zygmunt. Effect of Pluronics and surfactant adsorption onto dolomite suspension zeta potential and stability. *Annales Universitatis Mariae Curie-Sklodowska sectio AA – Chemia* [online]. 2015, 70(1) [cit. 2023-08-19]. ISSN 2083-358X. Dostupné z: [https://www.researchgate.net/publication/282638224\\_Effect\\_of\\_Pluronics\\_and\\_surfactant\\_adsorption\\_onto\\_dolomite\\_suspension\\_zeta\\_potential\\_and\\_stability](https://www.researchgate.net/publication/282638224_Effect_of_Pluronics_and_surfactant_adsorption_onto_dolomite_suspension_zeta_potential_and_stability)