

Curriculum vitae

Name-Surname Miss SARIN TADTONG
Academic position Associate Professor
Office address Department of Pharmacognosy,
 Faculty of Pharmacy, Srinakharinwirot University
 63 Moo 7, Rangit-Nakhon-nayok Rd.,
 Ongkharak, Nakhon-nayok, 26120
 Thailand
Phone 66-65-451-4598
Email sarin@g.swu.ac.th, stadtung@gmail.com, stadtung@yahoo.com

Education

Degree	Major	University	Year
Bachelor of Science in Pharmacy	Pharmaceutical Sciences	Chulalongkorn University	1999
Master of Science in Pharmacy	Pharmacognosy	Chulalongkorn University	2001
Doctor of Philosophy	Pharmaceutical Chemistry and natural products	Chulalongkorn University	2007

Research areas: natural product chemistry, *in vitro* biological activity assays (antimicrobial, anticancer, neuroprotection, antioxidation, antiinflammation, anti-elastase, anti-collagenase, anti-hyaluronidase, anti-tyrosinase assays, etc.), microbial enumeration test

1. Publications (last 5 years)

1.1 International Publications

- 1.1.1 Jiaranaikulwanitch J, Govitrapong P, **Tadtong S**, Fokin V, Vajragupta O. **2017**. Neuritogenic Activity of Bi-Functional Bis-Tryptoline Triazole. *Bioorganic and Medicinal Chemistry*. 25(3): 1195-1201.
- 1.1.2 Supasuteekul C, **Tadtong S**, Putalun W, Tanaka H, Likhitwitayawuid K, Tengamnuay P, Sritularak B. **2017**. Neuritogenic and neuroprotective constituents from *Aquilaria crassna* leaves. *Journal of Food Biochemistry*. 00:e12365. (<https://doi.org/10.1111/jfbc.12365>).

- 1.1.3 Buranasukhon W, Athikomkulchai S, **Tadtong S**, Chittasupho C. **2017**. Wound healing activity of *Pluchea indica* leaf extract in oral mucosal cell line and oral spray formulation containing nanoparticles of the extract. *Pharmaceutical Biology*. 55(1):1767-1774.
- 1.1.4 Puksasook T, Kimura S, **Tadtong S**, Jiaranaikulwanitch J, Pratuangdejkul J, Kitphati W, Suwanborirux K, Naoki Saito N, Nukoolkarn V. **2017**. Semisynthesis and biological evaluation of prenylated resveratrol derivatives as multi-targeted agents for Alzheimer's disease. *Journal of Natural Medicines*. doi:10.1007/s11418-017-1097-2.
- 1.1.5 Chutvirasakul B, Jongmeesuk W, Tirasomboonsiri P, Sansandee N, **Tadtong S**. **2017**. Stability-Indicating method to determine bioactive nucleosides in crude drugs, extracts, and products from *Cordyceps sinensis* and *Cordyceps militaris*. *The Thai Journal of Pharmaceutical Sciences*. 41(2):52-60.
- 1.1.6 Wongsukkasem N, Soynark O, Suthakitmanus M, Chongdiloet E, Chairattanapituk C, Vattanikitsiri P, Hongratanaworakit T, **Tadtong S**. **2018**. Antiacne-causing bacteria, antioxidant, anti-tyrosinase, anti-elastase and anti-collagenase activities of blend essential oil comprising rose, bergamot and patchouli oils. *Natural Product Communications*. 13(5):639-642.
- 1.1.7 Thawai C, He YW, **Tadtong S**. **2018**. *Jishengella zingibera* sp. nov., isolated from root tissue of *Zingiber montanum* and emended description of the genus *Jishengella*. *International Journal of Systematic and Evolutionary Microbiology*. 68 (10):3345-3350. doi:10.1099/ijsem.0.002998.
- 1.1.8 Ruen-ngam D, Thawai C, Sukonthamut S, Nokkoul R, **Tadtong S**. **2018**. Evaluation of nutrient content and antioxidant, neurotogenic and neuroprotective activities of upland rice bran oil. *ScienceAsia*. 44(4): 257-267.
- 1.1.9 Kittisrisopit S, Pittayakhajonwut P, **Tadtong S**, Thawai C. **2018**. *Microbisprora soli* sp. nov., isolated from soil of a hot spring. *International Journal of Systematic and Evolutionary Microbiology*. 68 (12):3863-3868. doi:10.1099/ijsem.0.003075.
- 1.1.10 Niemhom N, Chutrakul C, Suriyachadkun C, **Tadtong S**, Thawai, C. **2019**. *Jiangella endophytica* sp. nov., an endophytic actinomycete isolated from the rhizome of *Kaempferia elegans*. *International Journal of Systematic and Evolutionary Microbiology*. 69 (2): 454-459. doi:10.1099/ijsem.0.003175.
- 1.1.11 Kochaphum S, Banyat P, **Tadtong S**, Sareedenchai V, Athikomkulchai S. **2019**. Neurotogenic and neuroprotective activities of the essential oil from rhizomes of *Curcuma alismatifolia*. *Natural Product Communications*. doi:10.1177/1934578X19864217.
- 1.1.12 Kitisrisopit K, Bunbamrung N, Thawai C, **Tadtong S**, Neimhom N, Komwijit S, Rachtawee P, Pittayakhajonwut P. **2019**. Neuroprotective potential of new chromones isolated from the soil actinomycete *Microbispora* sp. TBRC6027. *Natural Product Research*. doi.org/10.1080/14786419.2019.1679135.
- 1.1.13 Bunbamrung N, Intaradom C, Dramaee A, Thawai C, **Tadtong S**, Auncharoen P, Pittayakhajonwut P. **2020**. Antibacterial, antitubercular, antimalarial and cytotoxic substances from the endophytic *Streptomyces* sp. TBRC7642. *Phytochemistry*. 172(4): doi.org/10.1016/j.phytochem.2020.112275.
- 1.1.14 Thawai C, Bunbamrung N, Pittayakhajonwut P, Chongruchiroj S, Pratuangdejkul J, He YW, **Tadtong S**,

Sareedenchai V, Prombutara P, Qian Y. **2020**. A novel diterpene agent isolated from *Microbispora hainanensis* strain CSR-4 and its *in vitro* and *in silico* inhibition effects on acetylcholine esterase enzyme. *Scientific Reports*. 10: doi.org/10.1038/s41498-020-68009-y.

1.1.15 Chittasupho C, **Tadtong S**, Vorarat S, Kamkaen N. **2020**. Physical, chemical, and microbiological stability of *Mucuna pruriens* effervescent powders and suspension. *Key Engineering Materials*. 859: 145-150.

1.1.16 Sornchaitawatwong C, **Tadtong S**, Tangkakitkumjai M. **2020**. The prevalence of acceptable quality herbal products in Thailand. *Journal of Herbal Medicine*. 24: <https://doi.org/10.1016/j.hermed.2020.100391>

1.1.17 Hongratanaworakit T, Malai W, Ubonviroj S, Ketsanchai R, Wuthisakon S, **Tadtong S**. **2020**. Formulation and chemical composition of aromatherapy product for antioxidant. *International Journal of Pharmaceutical Research*. 12 (Supplementary Issue 1):1892-1900. <https://doi.org/10.31838/ijpr/2020.SP1.282>

1.1.18 Pumival P, **Tadtong S**, Athikomkulchai A, Chittasupho C. **2020**. Antifungal Activity and the Chemical and Physical Stability of Microemulsions Containing *Citrus hystrix* DC Leaf Oil. *Natural Product Communications*. doi:10.1177/1934578X20957755

1.1.19 Panyatip P, **Tadtong S**, Sousa E, Puthongking P. **2020**. BACE1 inhibitor, neuroprotective, and neurotogenic activities of melatonin derivatives. *Scientia Pharmaceutica*. 88(4), 58. <https://doi.org/10.3390/scipharm88040058> (December 4, 2020)

1.1.20 Athikomkulchai S, Tunit P, **Tadtong S**, Jantrawut P, Sommano S, Chittasupho C. **2021**. *Moringa oleifera* seed oil formulation for enhancing skin hydration and antioxidant activity, physical stability and chemical constituents. *Cosmetics*. 8(1), 2. <https://doi.org/10.3390/cosmetics8010002> (March 1, 2021)

1.1.21 Athikomkulchai S, Loyfar P, Jira-arnon R, **Tadtong S**, Sareedenchai V, Phattanaphakdee W, Ruangrunsi N, Chittasupho C. **2021**. Chemical composition of essential oil from *Piper sarmentosum* fruit and neuroprotective activity. *Tropical Journal of Natural Product Research*. 5(2):319-323. (February, 2021)

1.1.22 Jiaranaikulwanitch J, Pandith H, **Tadtong S**, Thammarat P, Jiranusornkul S, Chauthong N, Nilkosol S, Vajragupta O. **2021**. Novel multi-functional ascorbic triazole derivatives for amyloidogenic pathway inhibition, anti-inflammation, and neuroprotection. *Molecules*. 26: 1526. <https://doi.org/10.3390/molecules26061562> (March 12, 2021)

1.1.23 Nammali A, Intaraudom C, Pittayakhajonwut P, Suriyachadkun C, **Tadtong S**, Srabua P, Thawai C. **2021**. *Streptomyces coffeae* sp. nov., an endophytic actinomycete isolated from the root of *Coffea arabica* (L.). *International Journal of Systematic and Evolutionary Microbiology*. 71(6): 004834. <https://doi.org/10.1099/ijsem.0.004834> (June 9, 2021)

1.1.24 Duangupama T, Intaraudom C, Pittayakhajonwut P, Suriyachadkun C, **Tadtong S**, Sirirote P, Tanasupawat S, Thawai C. **2021**. *Streptomyces musisoli* sp. nov., an actinomycete isolated from soil. *International Journal of Systematic and Evolutionary Microbiology*. 71(7): 004857. <https://doi.org/10.1099/ijsem.0.004857> (July 1, 2021)

- 1.1.25 Nammali A, Intaraudom C, Pittayakhajonwut P, Suriyachadkun C, **Tadtong S**, Tanasupprawat S, Thawai C. **2021**. *Streptomyces endocoffeicus* sp. nov., an endophytic actinomycete isolated from *Coffea arabica* (L.). *Antonie van Leeuwenhoek*. 114(11):1889-1898. <https://doi.org/10.1007/s10482-021-01648-x>. (available online September 4, 2021)
- 1.1.26 Chittasupho C, Manthaisong A, Okonogi S, **Tadtong S**, Samee W. **2022**. Effects of quercetin and curcumin combination on antibacterial, antioxidant, in vitro wound healing and migration of human dermal fibroblast cells. *International Journal of Molecular Sciences*. 23(1): article no. 142. <https://doi.org/10.3390/ijms23010142>. (January 1, 2022)
- 1.1.27 Duangupama T, Intaraudom C, Pittayakhajonwut P, **Tadtong S**, Thawai C. **2022**. *Streptomyces epipremni* sp. nov., an endophytic actinomycete isolated from root of *Epipremnum aureum*. *International Journal of Systematic and Evolutionary Microbiology*. Accepted November 24, 2021.
- 1.1.28 Sungthong B, Sithon K, Panyatip P, Nunthaboot N, **Tadtong S**, Puthongking P. **2022**. Quantitative analysis and *in silico* molecular docking study for acetylcholinesterase Inhibitor and ADME prediction of coumarins and carbazole alkaloids from *Clausena harmandiana*. *Records of Natural Products*. Accepted September 21, 2021.

1.2 National Publications

- 1.2.1 Buranatrakul P, **Tadtong S**, Hongratanaworakit T, Somruedee K, Pichawatjirath V. **2017**. Antifungal activity of alginate microparticles of blended essential oils. *Journal of Science and Technology Ubon Ratchathani University : Special Issue September 2017*. 19:26-31.
- 1.2.2 Yongram C, **Tadtong S**, Weerapreeyakul N, Puthongking P. **2019**. The preliminary study of Yang na (*Dipterocarpus alatus* Roxb. ex G.Don) extracts on anticancer and antifungal activities and the HPLC analysis of the phenolic compounds. *Journal of Thai Traditional & Alternative Medicine*. 17(3): 437-446.
- 1.2.3 Leksophee P, Leksungneon N, Sungkeaw S, Tadtong S. **2020**. Green color retention of some bamboo leaves. *Thai Journal of Science and Technology*. 9(4): 436-446.
- 1.2.4 Chamchomdao P, **Tadtong S**, Samee W. **2020**. HPLC Analysis and Solvent Extraction of Emodin from *Ventilago denticulata* Willd. *Thai Pharmaceutical and Health Science Journal*. 15(3): 210-215.
- 1.2.5 Kamkaen N, Samee W, **Tadtong S**, Chuichulcherm S. **2020**. Neuroprotective activities of three cannabinoids separated from confiscated cannabis in Thailand. *Thammasart Medicinal Journal*. 20(4): 286-296. (December 28, 2020)
- 1.2.6 Cheewabanthoeng C, Somchaithawatwong C, **Tadtong S**. **2021**. Anti-aging activity of mauve *Clitoria tematea* L. petal extract. *Thai Pharmaceutical and Health Science Journal*. 16(3): 228-233. (July-September, 2021)

1.2.7 Suksomboon T, Sornchaithawatwong C, **Tadtong S.** 2021. Phytochemical study and anti-wrinkle activity of blue *Clitoria ternatea* L. petal extract. *Thai Pharmaceutical and Health Science Journal*. 16(3): 234-238. (July-September, 2021)

1.2.8 Ditipaeng C, Phattanaphakdee W, **Tadtong S.** 2021. Simultaneous determination of methylparaben, propylparaben, phenoxyethanol, chlorphenesin by high performance liquid chromatography. *Thai Pharmaceutical and Health Science Journal*. 16(3): 263-269. (July-September, 2021)