NARAWAT NUAMNAICHATI

E-mail: Narawat@g.swu.ac.th

Narawatnuam@gmail.com

Current Affiliation: Department of Pharmacology, Faculty of Medicine, Srinakharinwirot University, 8th Floor, Building 15, 114, Sukhumvit 23 Road, Khlong Toei Nuea, Wattana, 10110, Bangkok, Thailand

---

EDUCATION:

2005-2010 Bachelor of Pharmacy

Faculty of Pharmacy, Mahidol University, Bangkok, Thailand

Special project: *In vitro* investigation of ultrasound effects on anticancer activity of doxorubicin

(Supervisor: Assist. Prof. Wichet Leelamanit)

2013-2016 Master of Science in Pharmacy (Pharmacology and Biomolecular Science)

Department of Pharmacology, Faculty of Pharmacy, Mahidol University, Bangkok, Thailand

Thesis: Upregulation of paracrine factors by β-adrenergic receptor overstimulation in neonatal rat cardiac myocytes

(Supervisor: Assoc. Prof. Supachoke mangmool)

2018-2021 Doctor of philosophy (Biopharmaceutical sciences)

Department of Pharmacology, Faculty of Pharmacy, Mahidol University, Bangkok, Thailand

Thesis: Study of GLP-1 receptor-dependent and -independent signaling of GLP-1 analogs on the inhibition of oxidative stress and mitochondrial dysfunction

(Supervisor: Assoc. Prof. Warisara Parichatikanond)

WORK EXPERIENCE:

2010-2013 Pharmacist at Prasat Neurological Institute, Bangkok, Thailand

2022-2023 Research Fellow
Department of Biochemistry and Microbiology, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand
(Supervisor: Assoc. Prof. Chatchai Chaotham)

HONORS & AWARDS:

2018-2021 The Royal Golden Jubilee Ph.D. Scholarship

AREAS OF RESEARCH INTEREST:

Molecular pharmacology, Cardiovascular pharmacology, Drug discovery

RESEARCH SKILLS AND TECHNIQUES:

- Mammalian cell culture
- RNA extraction from cell lines, real time PCR.
- *In vitro*/cell-based cytotoxicity assay such as MTT assay
- Screening bioactive compounds for antioxidant, anti-inflammatory, and antiapoptotic activities,
- Screening bioactive compounds from natural resources

PUBLICATION:

1. Jimoh TO, Nuamnaichati N, Sungthong R, Chansriniyom C, Chanvorachote P, Likhitwitayawuid K, et al. Phytochemicals from Vanda bensonii and their bioactivities to inhibit growth and metastasis of non-small cell lung cancer cells. Molecules. 2022;27:7902.
2. Mangmool S, Kyaw ETH, Nuamnaichati N, Pandey S, Parichatikanond W. Stimulation of adenosine A1 receptor prevents oxidative injury in H9c2 cardiomyoblasts: role of Gβγ-mediated Akt and ERK1/2 signaling. Toxicol Appl Pharmacol. 2022;451:116175.
3. Nuamnaichati N, Parichatikanond W, Mangmool S. Cardioprotective effects of glucagon like peptide-1 (9-36) against oxidative injury in H9c2 cardiomyoblasts:potential role of the PI3K/Akt/NOS pathway. J Cardiovasc Pharmacol. 2022;79:e50-e63.
4. Nuamnaichati N, Mangmool S, Chattipakorn N, Parichatikanond W. Stimulation of GLP-1R inhibits methylglyoxal-induced mitochondrial dysfunctions in H9c2 cardiomyoblasts: potential role of Epac/PI3K/Akt pathway. Front Pharmacol. 2020;11:805.2.
5. Sato VH, Chewchinda S, Nuamnaichati N, Mangmool S, Sato H, Sungthong B, et al. Pharmacological mechanisms of the water leaves extract of Lysiphyllum strychnifolium for its anti-inflammatory and anti-hyperuricemic actions for gout treatment. Pharmacogn Mag. 2019;15:98-106.
6. Sato VH, Sungthong B, Rinthong PO, Nuamnaichati N, Mangmool S, Chewchida S, et al. Pharmacological effects of Chatuphalatika in hyperuricemia of gout. Pharm Biol. 2018;56:76-85.
7. Nuamnaichati N, Sato VH, Moongkarndi P, Parichatikanond W, Mangmool S. Sustained β-AR stimulation induces synthesis and secretion of growth factors in cardiac myocytes that affect on cardiac fibroblast activation. Life Sci. 2018;193:257-69.
8. Supasuteekul C, Nuamnaichati N, Mangmool S, Likhitwitayawuid K, Tengamnuay P, Sritularak B, et al. Antioxidant Activity and Upregulation of Antioxidant Enzymes of Phenolic Glycosides from Aquilaria crassna Leaves. Nat Prod Commun. 2017;12.