

Curriculum Vitae



Name: Chatchadaporn Pinthong

Affiliation:

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Education

- 2012 M.Sc. Student in Biochemistry, Faculty of Science,
Mahidol University, Bangkok, Thailand
- 2009 B.SC. (Chemistry), Faculty of Science, Faculty of Science,
Mahidol University, Bangkok, Thailand.

Scholarship and Honors:

- 2011-2012: Recipient of Scholarship (M.Sc) from Thailand Graduated Institute of
Science and Technology (TGIST)

Academic performance:

- GPA 3.35

Field of Interest: Mechanistic Enzymology, Enzyme Kinetics, Protein Purification,
Chemical and Biochemical Education.

Research experiences :

- 2012 Research assistant to Prof. Pimchai Chaiyen, Research on Biochemical
Characterization of Human Serine Hydroxymethyltransferase. Department
of Biochemistry, Faculty of Science, Mahidol University, Bangkok,
Thailand.

Other Experiences and Activities:

- 2011-2012 Teaching assistant in Biomolecular and Spectroscopic Technique
(SCID508) for Graduate Students, Faculty of Science, Mahidol University.

Research presentations:

Poster

1. **Pinthong C**, Chaiyanurakkul A, Tuchinda P, Reutrakula V. (2009)
“Isolation and Structure Identification of Bioactive Compounds from

Phyllanthus chamaepeuce” in the tenth Science Project Exhibition, Faculty of Science, Mahidol University.

2. **Pinthong C**, Leartsakulpanich U, Chaiyen P. (2011) “Biochemical characterization of Human Serine hydroxymethyltransferase” in The 3rd BMB International Conference, The Empress Convention Centre, Chiangmai, Thailand.
3. **Pinthong C**, Leartsakulpanich U, Chaiyen P. (2011) “Biochemical characterization of Human Serine hydroxymethyltransferase” in The Fifth Annual Symposium of Protein Society of Thailand, Chulabhorn research institute conference center, Bangkok, Thailand.
4. **Pinthong C**, Leartsakulpanich U, Chaiyen P. (2011) “Improved expression and purification of human cytosolic serine hydroxymethyltransferase” in The 37th Congress on Science and Technology of Thailand (STT37), Centara Grand & Bangkok Convention Centre, Bangkok, Thailand.
5. **Pinthong C**, Leartsakulpanich U, Chaiyen P. (2012) “Improved expression and purification of human cytosolic serine hydroxymethyltransferase” in The 6th International symposium of the protein society of Thailand, Chulabhorn research institute conference center, Bangkok, Thailand.
6. **Pinthong C**, Leartsakulpanich U, Chaiyen P. (2012) “Enzymatic properties of human cytosolic serine hydroxymethyltransferase” in 13th FAOBMB International Congress of Biochemistry and Molecular Biology, International Trade & Exhibition Centre (BITEC), Bangkok, Thailand.
7. **Pinthong C**, Leartsakulpanich U, Chaiyen P. (2013) “Enzymatic properties of human cytosolic serine hydroxymethyltransferase” in Pure and Applied Chemistry International Conference 2013, The Tide Resort, Bangsaen Beach, Chon Buri, Thailand.

Skills:

- Natural product synthesis
- Protein expression in Escherichia coli system
- Protein purification of recombinant protein of non-tagged and histidine-tagged
- Protein purification techniques using chromatography e.g. ion exchange (anion exchange; DEAE and Q-Sepharose, cation exchange; CM and SP-Sepharose), gel filtration (desalting G-25, and S-200), and affinity chromatography (Ni- Sepharose)
- Spectroscopy techniques e.g. UV-visible (diode array and double beam), spectrofluorometer and stopped-flow spectrometer
- Steady-state enzyme kinetic for two substrates
- Enzyme coupling assay techniques, enzyme activity assay under aerobic condition