





# Synthesis of Heteroacenes Directed **Toward Organic Materials**

Internship at Synthetic Process Chemistry Laboratory - Okayama University supervised by Pr. MITSUDO Koichi, Pr. SUGA Seiji and Pr. MATHEVET Fabrice from April 8th to August 31st

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## Conclusion

Me<sub>3</sub>N-oxide and Et<sub>2</sub>NH were not effective as mediators, unlike acetic acid, which enabled us to improve yields. However, challenges with reproducibility due to humidity and water presence were encountered. Despite not fully achieving the project, it deepened our understanding of electrosynthesis.

The internship provided valuable learning experiences, enhanced lab skills, teamwork, and communication. It extended competencies beyond technical expertise, encompassing independent work, critical analysis, and cross-cultural adaptation.





4th of August

#### References

1) Kuninobu, et al. *J. Org. Chem.* **2011**, *76*, 7370-7376 2) Nishimura, et al. *Org. Lett.* **2019**, *21*, 1467–1470 3) Furukawa, et al. *Org. Lett.* **2014**, *16*, 3228–3231 4) Kurimoto, et al. *Org. Lett.* **2021**, *23*, 3120–3124

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