

Accepted Manuscript

Title: Photophysical features of naphthols having esters, formyl and acetyl groups and the difluoroboronated complex in solution and the solid state

Authors: Minoru Yamaji, Hideki Okamoto



PII: S1010-6030(18)30323-X
DOI: <https://doi.org/10.1016/j.jphotochem.2018.04.017>
Reference: JPC 11232

To appear in: *Journal of Photochemistry and Photobiology A: Chemistry*

Received date: 11-3-2018
Revised date: 7-4-2018
Accepted date: 8-4-2018

Please cite this article as: Minoru Yamaji, Hideki Okamoto, Photophysical features of naphthols having esters, formyl and acetyl groups and the difluoroboronated complex in solution and the solid state, *Journal of Photochemistry and Photobiology A: Chemistry* <https://doi.org/10.1016/j.jphotochem.2018.04.017>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Photophysical features of naphthols having esters, formyl and acetyl groups and the difluoroboronated complex in solution and the solid state

Minoru Yamaji^{1,†,*}, Hideki Okamoto²

¹ Division of Molecular Science, Graduate School of Science and Engineering, Gunma University, Kiryu, Gunma 376-8515, Japan

² Division of Earth, Life, and Molecular Sciences, Graduate School of Natural Sciences and Technology, Okayama University, Okayama 700-8530, Japan

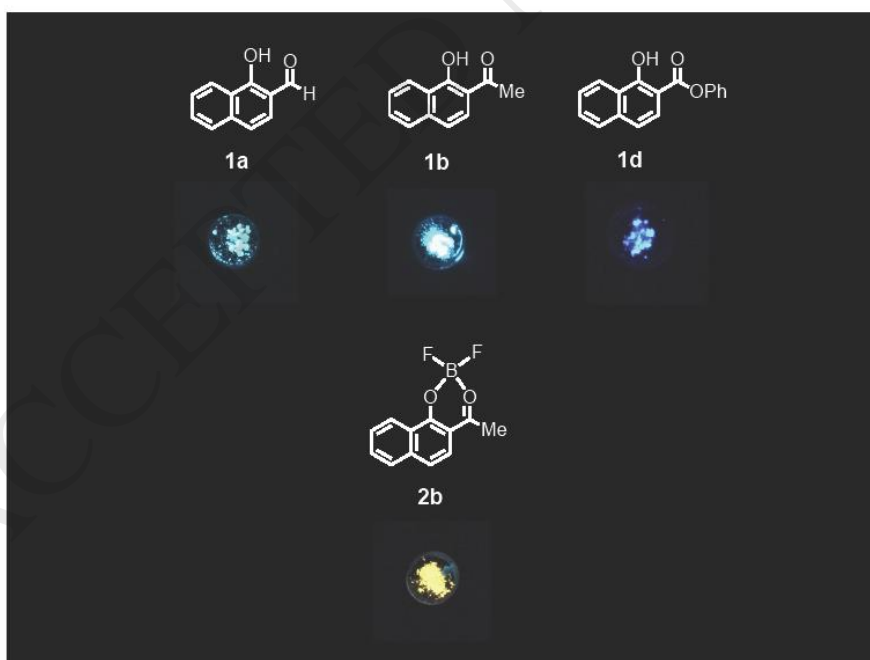
Highlights

- Emission features of ESIPT molecules and the related compounds were studied.
- One difluoroboronated complex was successfully prepared.
- Laser photolysis studies revealed the deactivation pathways from the S_1 state.
- The emission mechanism in the solid state was discussed.

[†] Present Address: Honcho 29-1, Ohta, Gunma 373-0057

*Corresponding author: yamaji@gunma-u.ac.jp

Graphical abstract



Download English Version:

<https://daneshyari.com/en/article/6492509>

Download Persian Version:

<https://daneshyari.com/article/6492509>

[Daneshyari.com](https://daneshyari.com)