

## 2-amino-3-[(E)-4-(diethylamino)-2-alkoxy-benzylideneamino]-fumaronitrile 유도체 ICT 화합물의 결정 구조

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### Abstract

Intramolecular charge transfer (ICT) system has received great attentions due to their promising optoelectronic properties<sup>1)</sup>. For the efficient ICT of the chromophore, their organic compound mainly consists of strong electron donors (e.g. NR<sub>2</sub> or OR groups) and acceptors (e.g. CN or NO<sub>2</sub> groups). According to the molecular design and synthesis, the ICT compounds can be extended in many application fields.

In this study, we have synthesized ICT compounds having a strong electron acceptor and donor. These novel ICT compounds were easily synthesized by a previously described method<sup>2)</sup> with some modifications. Their single crystals were grown and their structures were solved and described in this presentation.

### 참고문헌

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